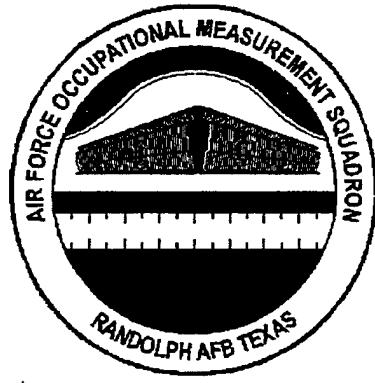




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UNITED STATES AIR FORCE

OCCUPATIONAL SURVEY REPORT

19981006 068
890

AEROSPACE MAINTENANCE

AFSC 2A5X1

AFPT 90-2A5-083

AUGUST 1998

OCCUPATIONAL ANALYSIS PROGRAM
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON
AIR EDUCATION AND TRAINING COMMAND
1550 5TH STREET EAST
RANDOLPH AFB, TEXAS 78150-4449

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PREFACE

This report presents the results of an Air Force Occupational Survey of the Aerospace Maintenance career ladder (AFSC 2A5X1A/B/C/D/E/F/G/H/J/K/L). Authority for conducting occupational surveys is contained in AFI 36-2623. Copies of this report and pertinent computer printouts are distributed to the Air Force Functional Manager, technical training school, all major using commands, and other interested operations and training officials.

First Lieutenant Christopher J. Hays, Inventory Development Specialist, developed the survey instrument. Mrs. Christine G. Garcia, Occupational Analyst, analyzed the data and wrote the final report. Mrs. Rebecca R. Hernandez provided computer programming support, and Mr. Richard G. Ramos provided administrative support. Lieutenant Colonel Roger W. Barnes, Chief, Airman Analysis Section, Occupational Analysis Flight, Air Force Occupational Measurement Squadron (AFOMS), reviewed and approved this report for release.

Additional copies of this report can be obtained by writing to AFOMS/OMYXI, 1550 5th Street East, Randolph AFB Texas 78150-4449, or by calling DSN 487-5543. For information on the Air Force occupational survey process or other on-going projects, visit our web site at <http://www.omsq.af.mil>.

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SUMMARY OF RESULTS

1. **Survey Coverage:** The Aerospace Maintenance career ladder was surveyed to obtain current task and equipment data for use in evaluating current training programs. Due to the large number of personnel assigned to the career ladder, a stratified random sample of eligible active duty, Air Force Reserve (AFRC), and Air National Guard (ANG) members were used for survey selection. Survey results are based on 4,393 active duty, 1,599 AFRC and 943 ANG respondents.
2. **Specialty Jobs:** Structure analysis identified 9 clusters and 11 jobs within the specialty. Over half the survey sample members are directly involved with the core technical duties and tasks pertaining to general airframe and aircraft maintenance of the crew chief job. Smaller numbers of respondents were identified as working specific functions, such as Alternate Mission equipment, Support, Aero Repair, Inspections, Technical Orders, and Core Automated Maintenance Systems.
3. **Career Ladder Progression:** The Aerospace Maintenance career ladder progression is typical of most career ladders. The 3- and 5-skill level members in each shred perform many tasks in common, with some variations specific to their assigned aircraft. Although 7-skill level members still perform a substantial amount of routine day-to-day technical inspections and maintenance tasks, a shift toward supervisory functions is evident. The 9-skill level personnel are primarily the managers of the career ladder, with very little technical work noted.
4. **Training Analysis:** The 14 STSs for the specialty, dated January 1997, were reviewed using survey data. There are many common sections in the documents, as well as portions that pertain to specific aircraft and systems. Some aircraft-specific portions of each Specialty Training Standard (STS) are unsupported by survey data. A complete review of each STS has been provided to the technical school for evaluation.
5. **Job Satisfaction Analysis:** In general, job satisfaction among most AFSC 2A5X1 personnel was good. However, overall job satisfaction for the Aerospace Maintenance personnel is slightly lower than job satisfaction figures for those members with similar mission equipment management career ladders. The active duty first-enlistment group tends to reflect lower satisfaction than other TAFMS groups. Personnel working in the Depot Inspector Job, Technical Orders Job, Isochronal Inspector Job and Equipment Management Cluster showed lower job satisfaction than any of the other jobs and clusters identified. Guardsmen and reservists had higher job satisfaction ratings than their active duty counterparts.
6. **Implications:** Survey results indicate 55 percent of the sample performing crew chief/mechanic activities. Overall job progression is normal. Job satisfaction is generally good, but some problem areas were noted. Extensive documentation of the 14 STSs reviewed has been forwarded to the operational training school for review and evaluation.

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**OCCUPATIONAL SURVEY REPORT (OSR)
AEROSPACE MAINTENANCE CAREER LADDER
AFSC 2A5X1**

INTRODUCTION

This is a report of an occupational survey of the Aerospace Maintenance career ladder, AFSC 2A5X1, conducted by the Occupational Analysis Flight, Air Force Occupational Measurement Squadron (AFOMS). Data collected will be used to validate career ladder documents and to update training programs. This is the first survey of this career ladder since it was created 1 November 1993 with the merger of AFSC 454X4A, Aircraft Pneudraulic Systems Technician, MAC or SAC Aerospace Repair; AFSC 457X0, Strategic Aircraft Maintenance; and AFSC 457X2, Airlift Aircraft Maintenance.

Background

As described in the AFMAN 36-2108 *Specialty Description*, dated 30 April 1998, Aerospace Maintenance personnel maintain aircraft, support equipment, and forms and records. They also perform production supervisor, flight chief, expeditor, crew chief, support, aero repair, and maintenance functions. Personnel troubleshoot and maintain aircraft structures, systems, components and support equipment. They test repaired components using mockups and test equipment. They also adjust, align, rig, and calibrate aircraft systems, perform engine run-ups, accomplish weight and balance functions, and jack, tow, and service aircraft. In addition, they perform aircraft and component inspections. They inspect and check components for clearances, tolerances, proper installation, and operation. They inspect and operate powered and nonpowered aerospace ground equipment, and inspect and identify aircraft corrosion for prevention and correction. They review maintenance forms, aircraft records, and reports to ensure complete documentation, and inventory and maintain alternate mission equipment.

The AFSC 2A5X1 career ladder is shredded at the 1-, 3-, and 5-skill levels. The shreds are used to denote the type(s) of aircraft maintained. Shredouts A, B, C, D, E, F, G, and H are applicable to the 1- and 3-skill levels only. Shredouts J, K, and L are applicable to the 5-skill level. Shredouts A, B, C, and D merge to form shredout J at the 5-skill level. Shredouts E and F merge at the 5-skill level to form shredout K. Shredouts G and H merge at the 5-skill level to form shredout L. Listed below are the AFSC shreds and their associated aircraft:

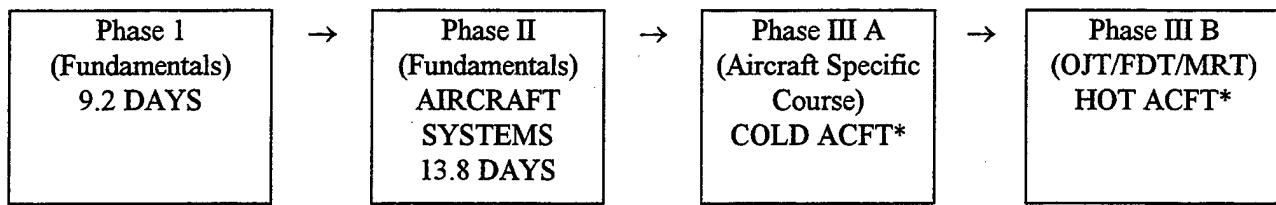
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| <u>SHRED</u> | <u>ASSOCIATED AIRCRAFT</u> |
|--------------|---|
| 2A531A | C-9, C-20, C-21, C-22, C-41, T-39, T-43 |
| 2A531B | C-12, C-26, C-27, C-130 |
| 2A531C | C-5 |
| 2A531D | C-17 |
| 2A531E | B-1, B-2 |
| 2A531F | B-52 |
| 2A531G | C-18, C-135, E-3, VC-25, VC-137 |
| 2A531H | E-4, KC-10 |
| 2A551J | C-9, C-20, C-17, C-21, C-22, C-141, T-39, T-43, C-12, C-26, C-27, C-130, C-5 |
| 2A551K | B-1, B-2, B-52 |
| 2A551L | C-18, C-135, E-3, VC-25, VC-137, E-4, KC-10 |

Entry into the AFSC 2A5X1 career ladder currently requires an Armed Services Vocational Aptitude Battery mechanical score of 51, and a strength factor of "L" (weight lift of 80 pounds). Upon entry into the career ladder, personnel complete a phased approach to meeting the training requirements for the weapons system they will maintain at their first duty assignment. All students must first attend the 23-day Aerospace Maintenance Fundamentals Course (J3ATR2A020 001) at Sheppard AFB TX. Phase I of this course covers quality awareness, security, inspection concepts, hazardous communication, safety, technical order systems, hardware, maintenance management, aircraft records and the Core Automated Maintenance System (CAMS), and Quality AF. Phase II of the course covers general aircraft utilities, airframes, engine fuels, pneumdraulics, landing gears, flight controls, electrical systems, and inspection procedures.

Upon completion of the Fundamentals course, students attend an aircraft-specific course, referred to as Phase IIIA. Training is provided in a formal classroom setting, with some hands-on training. This is referred to as "Cold aircraft instruction." A majority of this training is provided at Sheppard AFB, but some of it may be provided at other bases, depending on availability of aircraft for training and the weapons systems training requirements. Upon completion of this course, most airmen will enter a Phase IIIB Mission Ready Technician (MRT) course, or "Hot aircraft instruction," where they receive extensive hands-on instruction at a Training Detachment. Most of this training is conducted at bases other than Sheppard AFB. For instance, the C-130 MRT course is taught at Little Rock AFB AR and the C-141 course is taught at McChord AFB WA.

AIRCRAFT MAINTENANCE FUNDAMENTALS COURSE MODEL



* Location and length is dependent upon student's weapons system

SURVEY METHODOLOGY

Inventory Development

The data collection instrument for this occupational survey was USAF Job Inventory (JI), AFPT 90-2A5-083, dated November 1995. A tentative task list was prepared after reviewing pertinent career ladder publications and directives and tasks from previous applicable OSRs. The preliminary task list was refined and validated through personal interviews with 39 subject-matter experts (SMEs) at the following locations:

| <u>BASE</u> | <u>REASON FOR VISIT</u> |
|--------------------|--|
| Sheppard AFB TX | Operational Training School |
| Offutt AFB NE | Home of KC-135, RC-135, EC-135, WC-135, E-4 |
| Whiteman AFB MO | Home of 393BS and only operational B-2 squadron |
| Dyess AFB TX | Interview C-130 and C-1 crew chiefs |
| Travis AFB CA | Interview Flight Line C-5s, C-141s, and KC10s crew chiefs |
| Barksdale AFB LA | Home of B-52 |
| Little Rock AFB AR | Home of the C-130 |
| Charleston AFB SC | Home of the C-141 and C-17 |
| Hurlburt Field FL | Home of special operation C-130's |

Others contacts included the Air Force functional and resource managers, major command (MAJCOM) representatives, and the career field training manager. The resulting JI contained a comprehensive listing of 987 tasks grouped under 16 duty headings, with a background section requesting such information as present job, functional area, component status, work schedule, previous AFSC title, type of aircraft maintained, inspections performed, support equipment operated, and forms used. Also requested was information on paygrade, time in present job, time in service, time in career field, and job satisfaction indicators.

Survey Administration

From March 1996 through November 1996, survey control monitors at base training offices worldwide administered the inventory to selected active duty, Air Force Reserve (AFRC), and Air National Guard (ANG) personnel. A stratified random sample consisting of approximately 50 percent of all assigned 3-, 5-, 7- and 9-skill level members were selected from each of the three component groups. Inventory booklets were administered to 5,840 active duty, 2,466 AFRC, and to 2,015 ANG personnel. Personnel excluded from taking the survey included the following: (1) hospitalized personnel; (2) personnel in transition for a permanent change of station; (3) personnel retiring within the time the inventories were administered to the field; and (4) personnel in their jobs less than 6 weeks. Participants were selected from a computer-generated mailing list obtained from personnel data tapes maintained by Air Force Personnel Center, Randolph AFB TX.

Each individual who completed the inventory first filled in an identification and biographical information section and then checked each task performed in his or her current job. After checking tasks performed, each individual rated each of these tasks on a 9-point scale, showing relative time spent on that task, compared to other tasks performed. The ratings ranged from 1 (very small amount time spent) to 9 (very large amount time spent).

To determine relative time spent for each task, all of the incumbent's ratings are assumed to account for 100 percent of time spent on the job and are summed. Each task rating is then divided by the total task ratings and multiplied by 100 to provide a relative percentage of time spent on each task. This procedure provides a bases for comparing tasks in terms of both percent members performing and average percent time spent.

Survey Sample

Selection criteria was utilized to ensure the survey sample represented an accurate representation across skill levels and paygrades. Table 1 reflects the distribution, by MAJCOM, of assigned AFSC 2A5X1 personnel as of March 1996, and the survey statistics of the three components: active duty, AFRC, and ANG personnel. The 6,935 respondents in the final sample represent 32 percent of all assigned AFSC 2A5X1 personnel and 67 percent of surveyed personnel. Table 2 displays MAJCOM representation of the active duty sample. Table 3 reflects

TABLE 1
MAJCOM REPRESENTATION OF TOTAL AFSC 2A5X1 PERSONNEL

| <u>COMMAND</u> | <u>PERCENT OF ASSIGNED**</u> | <u>PERCENT OF SAMPLE</u> |
|-------------------------------|------------------------------|--------------------------|
| AMC | 24 | 30 |
| AFRC | 24 | 23 |
| ANG | 19 | 14 |
| ACC | 18 | 17 |
| AETC | 5 | 6 |
| AFSOC | 3 | 3 |
| PACAF | 3 | 3 |
| AFMC | 2 | 2 |
| USAFE | 2 | 2 |
| OTHER | * | * |
| TOTAL | 21,530 | 6,935 |
| TOTAL ASSIGNED | 21,530 | |
| TOTAL SURVEYED | 10,298 | |
| TOTAL IN SAMPLE | 6,935 | |
| PERCENT OF ASSIGNED IN SAMPLE | 32% | |
| PERCENT OF SURVEYED IN SAMPLE | 67% | |

* LESS THAN 1 PERCENT

** MANNING AS OF MARCH 1996

BREAKOUT OF SAMPLE BY COMPONENT

| | <u>ACTIVE DUTY</u> | <u>AIR FORCE RESERVE</u> | <u>ANG</u> | <u>TOTAL</u> |
|------------------------------------|--------------------|--------------------------|------------|--------------|
| TOTAL ASSIGNED**: | 12,251 | 5,086 | 4,193 | 21,530 |
| TOTAL SURVEY MAILED: | 5,841 | 2,442 | 2,015 | 10,298 |
| TOTAL IN SURVEY SAMPLE: | 4,393 | 1,599 | 943 | 6,935 |
| PERCENT OF ASSIGNED IN SAMPLE: | 36% | 31% | 22% | 32% |
| PERCENT OF SURVEYED IN SAMPLE: | 75% | 65% | 47% | 67% |

TABLE 2

MAJCOM REPRESENTATION OF ACTIVE DUTY SAMPLE

| <u>COMMAND</u> | <u>PERCENT OF ACTIVE DUTY ASSIGNED*</u> | <u>PERCENT OF ACTIVE DUTY SAMPLE</u> |
|----------------|---|--|
| AMC | 44 | 47 |
| ACC | 31 | 30 |
| AETC | 8 | 9 |
| AFSOC | 6 | 5 |
| PACAF | 5 | 5 |
| AFMC | 3 | 2 |
| USAFE | 3 | 2 |
| EUR | ** | ** |
| OTHER*** | ** | ** |
| TOTAL | 100% | 100% |

TOTAL ASSIGNED 12,251
 TOTAL SURVEYED 5,841
 TOTAL IN SAMPLE 4,393
 PERCENT OF ASSIGNED IN SAMPLE 36%
 PERCENT OF SURVEYED IN SAMPLE 75%

* ASSIGNED STRENGTH AS OF MARCH 1996

** LESS THAN 1 PERCENT

*** OTHER INCLUDES: USAFA, AFMPC, AFSPC, USEUC, ZBF, ZBG

TABLE 3
PAYGRADE DISTRIBUTION OF TOTAL SAMPLE

ACTIVE DUTY

| <u>PAYGRADE</u> | <u>PERCENT OF ASSIGNED</u> | <u>PERCENT OF SAMPLE</u> |
|-----------------|----------------------------|--------------------------|
| E-1 TO E-3 | 17 | 16 |
| E-4 | 27 | 26 |
| E-5 | 29 | 30 |
| E-6 | 15 | 15 |
| E-7 | 12 | 11 |
| E-8 | * | * |
| E-9 | * | * |

AFRC

| <u>PAYGRADE</u> | <u>PERCENT OF ASSIGNED</u> | <u>PERCENT OF SAMPLE</u> |
|-----------------|----------------------------|--------------------------|
| E-1 TO E-3 | 1 | 1 |
| E-4 | 11 | 7 |
| E-5 | 44 | 41 |
| E-6 | 28 | 35 |
| E-7 | 13 | 15 |
| E-8 | 1 | 1 |
| E-9 | * | 0 |

ANG

| <u>PAYGRADE</u> | <u>PERCENT OF ASSIGNED</u> | <u>PERCENT OF SAMPLE</u> |
|-----------------|----------------------------|--------------------------|
| E-1 TO E-3 | 3 | 2 |
| E-4 | 17 | 14 |
| E-5 | 36 | 35 |
| E-6 | 30 | 33 |
| E-7 | 13 | 15 |
| E-8 | * | 1 |
| E-9 | * | * |

* INDICATES LESS THAN 1%

NOTE: COLUMNS MAY NOT ADD TO 100 PERCENT DUE TO ROUNDING

the paygrade distribution for the three components. The 4,393 active duty respondents in the final sample represent 75 percent of the surveyed active duty personnel. Overall, the final survey sample is considered to be a satisfactory representation of the career ladder population.

Task Factor Administration

Job descriptions alone do not provide sufficient data for making decisions about career ladder documents or training programs. Task factor information is needed for a complete analysis of the career ladder. To obtain the needed task factor data, selected senior AFSC 2A5X1 personnel (generally E-6 or E-7 craftsmen) also completed a second booklet for either training emphasis (TE) or task difficulty (TD). The TE and TD booklets were processed separately from the JIs. This information gained from task factor data is used in various analyses and is a valuable part of the training decision process.

Training Emphasis (TE). TE is a rating of the amount of emphasis that should be placed on tasks in entry-level training. The 172 NCOs from the career ladder who completed a TE booklet were asked to select tasks they felt required some sort of structured training for entry-level personnel and then indicate how much training emphasis these tasks should receive, from 1 (extremely low emphasis) to 9 (extremely high emphasis). Structured training is defined as training provided at resident operational training schools, field training detachments (FTDs), mobile training teams, formal on-the-job training (OJT), or any other organized training method. There was agreement among the 172 as to which tasks require some form of structured training and which do not. The average TE rating was 2.52, with a standard deviation of 1.42. Any task with a TE rating of 3.94 or above is considered to have high TE. In order for TE data to be reliable and reportable, sufficient rater agreement must exist. In this study, raters agree sufficiently on a training policy. To ensure this, additional computer runs were produced to examine if there were different rating policies expressed by personnel who had previously held a shred associated with one specific airframe. No substantial difference was found in the rating, therefore, the TE rating of all raters were used in this report.

Task Difficulty (TD). Task difficulty is defined as the amount of time required for the average incumbent to learn to perform each task satisfactorily. A total of 134 experienced AFSC 2A571 (active duty) supervisors rated the difficulty of the tasks in the inventory using a 9-point scale ranging from 1 (extremely low difficulty) to 9 (extremely high difficulty). Interrater agreement among these respondents was high. TD ratings are normally adjusted so tasks of average difficulty have a value of 5.00 and a standard deviation of 1.00. Any task with a difficulty of 6.00 or greater is considered to be difficult to learn.

When used in conjunction with the primary criterion of percent members performing, TD and TE ratings can provide insight into first-enlistment personnel training requirements. Such insights may suggest a need for lengthening or shortening portions of instruction supporting Air Force Specialty entry-level jobs.

SPECIALTY JOBS (Career Ladder Structure)

The occupational analysis process begins with an examination of the career ladder structure. The structure of jobs within the Aerospace Maintenance career ladder was examined on the basis of similarity of tasks performed and the relative percent of time spent ratings provided by job incumbents, independent of other specialty background factors.

The first step in the analysis process is to identify the structure of career ladders in terms of the jobs performed by the respondents. The Comprehensive Occupational Data Analysis Program (CODAP) assists by creating an individual job description for each respondent based on the tasks performed and relative amount of time spent on these tasks. The CODAP automated job clustering program then compares all the individual job descriptions, locates the two descriptions with the most similar tasks and time spent ratings, and combines them to form a composite job description. In successive stages, new members are added to this initial group, or new groups are formed based on the similarity of tasks and time spent ratings. The basic group used in this hierarchical clustering process is the *Job*. When two or more jobs have a substantial degree of similarity in tasks performed and time spent of tasks, they are grouped together and identified as a *Cluster*. The structure of the career ladder is then defined in terms of jobs and clusters of jobs. The resulting job structure information can be used to evaluate the accuracy of career ladder documents (i.e., AFMAN 36-2108 *Specialty Descriptions*, the Career Field Education and Training Plan, and Specialty Training Standards (STS) and to gain a better understanding of current utilization patterns. The above terminology will be used in the discussion of the AFSC 2A5X1 career ladder structure.

Overview of Specialty Jobs

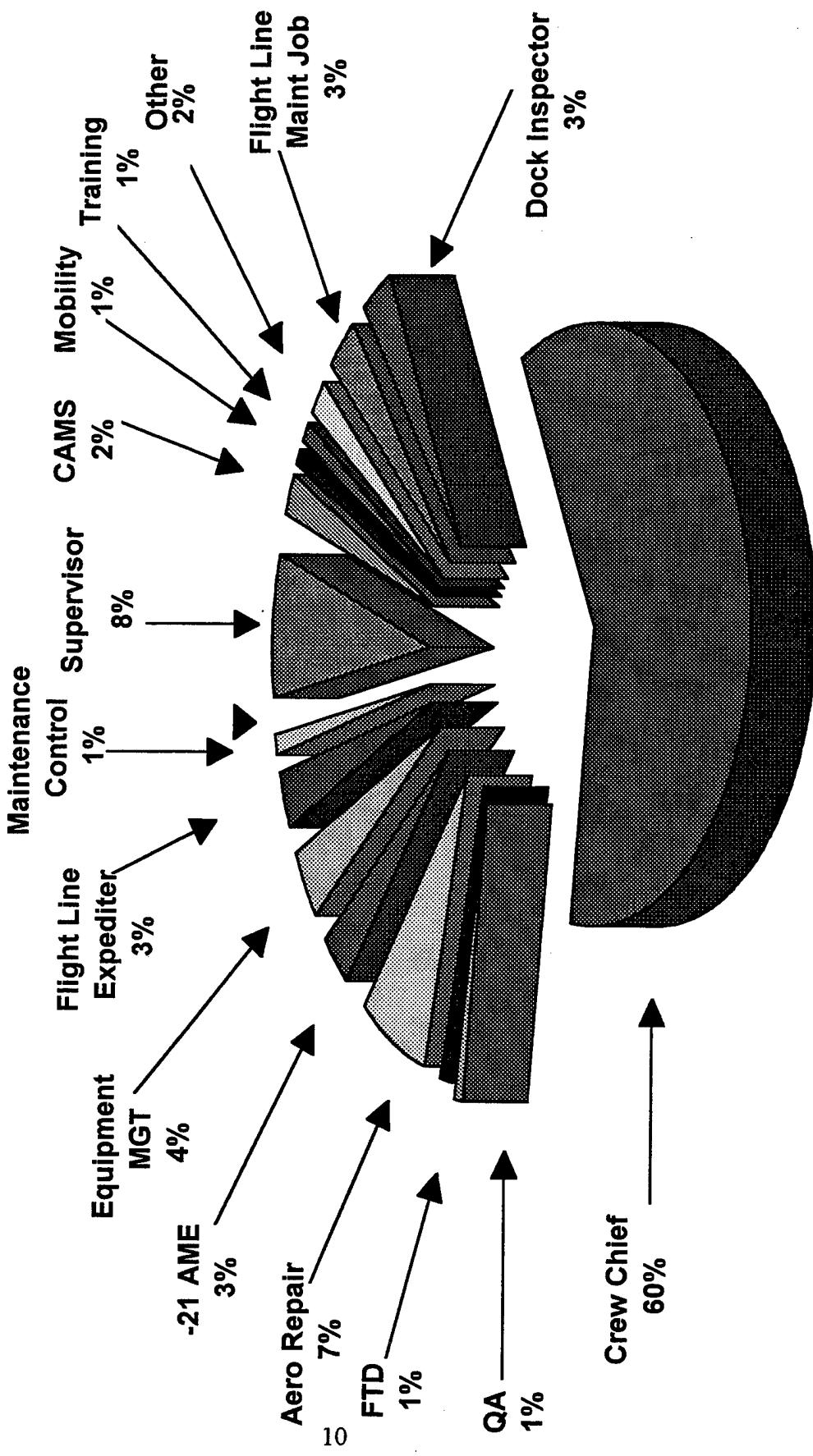
Based on the analysis of tasks performed and the amount of time spent performing each task, 9 clusters, and 11 jobs were identified within the surveyed career ladder. Figure 1 illustrates the jobs performed by AFSC 2A5X1X personnel. Active Duty, AFRC, and ANG members can be found in the majority of jobs and clusters. All basic duties revolve around the maintenance and repair of aircraft airframes and systems. Consequently, most clusters and jobs are identified by either functional area, type of inspection performed, type of maintenance, and/or system worked on, rather than the shred held.

A listing of these clusters and jobs is provided below. The stage (STG) number shown beside each title references computer-printed information; the letter "N" represents the number of personnel in each group.

| | |
|-------------------------------------|-----------------|
| I. TRANSIENT ALERT JOB | (STG485, N=17) |
| II. FLIGHT LINE MAINTENANCE CLUSTER | (STG344, N=193) |

AFSC 2A5X1 CAREER LADDER JOBS

FIGURE 1



*Other includes: Transient Alert Job, Isochronal Inspector Job, Phase Inspector Job, DEPOT Inspector, FTD Instructor Job, OJT Instructor Job, Mobility Job, Technical Orders

| | |
|---|-------------------|
| III. ISOCHRONAL INSPECTOR JOB | (STG493, N=17) |
| IV. PHASE INSPECTOR JOB | (STG714, N=24) |
| V. DOCK INSPECTOR CLUSTER | (STG330, N=193) |
| VI. CREW CHIEF CLUSTER | (STG525, N=3,615) |
| VII. DEPOT INSPECTOR JOB | (STG472, N=16) |
| VIII. QUALITY ASSURANCE EVALUATOR JOB | (STG511, N=88) |
| IX. FTD INSTRUCTOR JOB | (STG576, N=34) |
| X. OJT INSTRUCTOR JOB | (STG482, N=16) |
| XI. AERO REPAIR CLUSTER | (STG362, N=437) |
| XII. -21 ALTERNATE MISSION EQUIPMENT (AME) SUPPORT CLUSTER | (STG206, N=169) |
| XIII. EQUIPMENT MANAGEMENT CLUSTER | (STG120, N=211) |
| XIV. FLIGHT LINE EXPEDITER JOB | (STG486, N=154) |
| XV. MAINTENANCE CONTROL JOB | (STG504, N=50) |
| XVI. SUPERVISOR CLUSTER | (STG248, N=498) |
| XVII. CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) JOB | (STG520, N=133) |
| XVIII. TRAINING CLUSTER | (STG379, N=78) |
| XIX. MOBILITY JOB | (STG512, N=40) |
| XX. TECHNICAL ORDER (TO) JOB | (STG546, N=28) |

The respondents forming these groups account for 89 percent of the survey sample. The remaining 11 percent were performing tasks or series of tasks which did not group with any defined jobs. Job titles given by respondents which were representative of these personnel include Facility and Manning Manager, Crash Vehicle Control NCO, Supervisor Repair and Reclamation Manager, Wheel and Tire Shop Technician, and Supply Liaison.

Group Descriptions

The following paragraphs contain brief descriptions of the 9 clusters and 11 jobs identified through the career ladder structure analysis. Appendix A lists representative tasks performed by members of clusters and jobs. Table 4 displays time spent on duties by career ladder jobs for the total survey sample. Table 5 provides the demographic information for the total sample for each cluster and job discussed within this report.

TABLE 4

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS
TOTAL SAMPLE
(N=6,935)

| DUTIES | TRANSIENT ALERT JOB (STG485) (N=17) | FLIGHT LINE MAINT CLUSTER (STG344) (N=193) | ISOCHRONAL INSPECTOR JOB (STG493) (N=17) | PHASE INSPECTOR JOB (STG714) (N=24) | DOCK INSPECTOR CLUSTER (STG330) (N=193) |
|--|-------------------------------------|--|--|-------------------------------------|---|
| A Performing Management And Supervisory Activities | 26 | 2 | 1 | 2 | 3 |
| B Performing Training Activities | 5 | * | * | 1 | 1 |
| C Performing General Administrative And Technical Order System Activities | 2 | * | * | 1 | * |
| D Performing General Supply And Equipment Activities | 7 | 1 | 1 | 1 | 1 |
| E Performing General Airframe And Aircraft Maintenance | 42 | 61 | 56 | 36 | 62 |
| F Maintaining Landing Gear Systems | 1 | 8 | 22 | 38 | 9 |
| G Maintaining Utility Systems | * | 3 | * | 3 | 2 |
| H Maintaining Flight Control Systems | * | 2 | 6 | 5 | 5 |
| I Maintaining Pneumatic Systems | 1 | 3 | 1 | 2 | 2 |
| J Maintaining Fuel Systems | 3 | 3 | 2 | 2 | 2 |
| K Maintaining Electrical Systems | 1 | 5 | 3 | 3 | 4 |
| L Maintaining Engine Systems | 1 | 4 | 1 | 1 | 3 |
| M Maintaining Aerospace Ground Equipment (Age) | 4 | 2 | 1 | 1 | 1 |
| N Maintaining -21 Ame, Dual Rail Cargo Handling Systems, And -135 Cargo Handling Systems | 1 | 1 | 1 | 1 | 1 |
| O Performing Maintenance Management Activities | 4 | 3 | 4 | 3 | 3 |
| P Performing Mobility And Contingency Activities | 1 | 1 | * | 1 | 1 |

* INDICATES LESS THAN 1%

NOTE: COLUMNS MAY NOT ADD TO 100 PERCENT DUE TO ROUNDING

TABLE 4 (CONTINUED)

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS
TOTAL SAMPLE
(N=6,935)

| DUTIES | CREW CHIEF CLUSTER (STG525) (N=3,615) | DEPOT INSPECTOR JOB (STG472) (N=16) | QA EVALUATOR JOB (STG511) (N=88) | FTD INSTRUCTOR JOB (STG576) (N=34) | OJT INSTRUCTOR JOB (STG482) (N=16) |
|--|---------------------------------------|-------------------------------------|----------------------------------|------------------------------------|------------------------------------|
| A Performing Management And Supervisory Activities | 4 | 9 | 19 | 17 | 24 |
| B Performing Training Activities | 1 | 2 | 3 | 19 | 9 |
| C Performing General Administrative And Technical Order System Activities | 1 | * | 4 | 3 | 7 |
| D Performing General Supply And Equipment Activities | 1 | 2 | 2 | 3 | 4 |
| E Performing General Airframe And Aircraft Maintenance | 41 | 49 | 22 | 28 | 30 |
| F Maintaining Landing Gear System | 11 | 4 | 11 | 6 | 4 |
| G Maintaining Utility Systems | 6 | 4 | 5 | 3 | 3 |
| H Maintaining Flight Control Systems | 6 | 11 | 6 | 3 | 3 |
| I Maintaining Pneumatic Systems | 6 | 5 | 5 | 4 | 2 |
| J Maintaining Fuel Systems | 4 | 1 | 3 | 2 | 1 |
| K Maintaining Electrical Systems | 6 | 5 | 4 | 3 | 1 |
| L Maintaining Engine Systems | 6 | 1 | 7 | 3 | 4 |
| M Maintaining Aerospace Ground Equipment (Age) | 1 | 1 | 1 | 2 | 1 |
| N Maintaining -21 Ame, Dual Rail Cargo Handling Systems, And -135 Cargo Handling Systems | 2 | 1 | 1 | 1 | 2 |
| O Performing Maintenance Management Activities | 3 | 4 | 6 | 3 | 4 |
| P Performing Mobility And Contingency Activities | 1 | * | 2 | * | 3 |

* INDICATES LESS THAN 1%

NOTE: COLUMNS MAY NOT ADD TO 100 PERCENT DUE TO ROUNDING

TABLE 4 (CONTINUED)

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS
TOTAL SAMPLE
N=6,935

| DUTIES | AERO REPAIR CLUSTER (STG362) (N=437) | -21 AME SUPPORT CLUSTER (STG206) (N=169) | EQUIPMENT MANAGEMENT CLUSTER (STG120) (N=211) | FLIGHT LINE EXPEDITTER CLUSTER (STG486) (N=154) | MAINT CONTROL JOB (STG504) (N=50) |
|--|--------------------------------------|--|---|---|-----------------------------------|
| A Performing Management And Supervisory Activities | 7 | 12 | 26 | 52 | 46 |
| B Performing Training Activities | 2 | 3 | 4 | 2 | 11 |
| C Performing General Administrative And Technical Order System Activities | 1 | 1 | 5 | 4 | 10 |
| D Performing General Supply And Equipment Activities | 3 | 6 | 45 | 6 | 5 |
| E Performing General Airframe And Aircraft Maintenance | 26 | 19 | 4 | 8 | 1 |
| F Maintaining Landing Gear Systems | 21 | * | 1 | 1 | * |
| G Maintaining Utility Systems | * | 3 | * | * | * |
| H Maintaining Flight Control Systems | 30 | * | * | * | * |
| I Maintaining Pneudraulic Systems | 1 | * | * | * | * |
| J Maintaining Fuel Systems | * | * | * | * | 0 |
| K Maintaining Electrical Systems | 1 | * | * | * | 0 |
| L Maintaining Engine Systems | 1 | * | * | 1 | 0 |
| M Maintaining Aerospace Ground Equipment (Age) | 1 | 2 | 2 | 1 | 0 |
| N Maintaining -21 Ame, Dual Rail Cargo Handling Systems, And -135 Cargo Handling Systems | 1 | 43 | 3 | 2 | 3 |
| O Performing Maintenance Management Activities | 4 | 5 | 6 | 19 | 18 |
| P Performing Mobility And Contingency Activities | 2 | 4 | 5 | 4 | 6 |

* INDICATES LESS THAN 1%

NOTE: COLUMNS MAY NOT ADD TO 100 PERCENT DUE TO ROUNDING

TABLE 4 (CONTINUED)

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS
TOTAL SAMPLE
(N=6,935)

| DUTIES | SUPERVISOR CLUSTER (STG248) (N=498) | CAMS JOB (STG520) (N=133) | TRAINING CLUSTER (STG379) (N=78) | MOBILITY JOB (STG512) (N=40) | TECHNICAL ORDERS JOB (STG546) (N=28) |
|--|-------------------------------------|---------------------------|----------------------------------|------------------------------|--------------------------------------|
| A Performing Management And Supervisory Activities | 55 | 23 | 31 | 31 | 22 |
| B Performing Training Activities | 10 | 3 | 50 | 4 | 2 |
| C Performing General Administrative And Technical Order System Activities | 6 | 7 | 4 | 11 | 61 |
| D Performing General Supply And Equipment Activities | 7 | 7 | 4 | 6 | 6 |
| E Performing General Airframe And Aircraft Maintenance | 6 | 1 | 2 | * | 2 |
| F Maintaining Landing Gear Systems | 1 | * | * | * | * |
| G Maintaining Utility Systems | * | * | * | * | * |
| H Maintaining Flight Control Systems | * | * | * | * | * |
| I Maintaining Pneumatic Systems | * | * | * | * | * |
| J Maintaining Fuel Systems | * | * | * | * | * |
| K Maintaining Electrical Systems | * | * | * | * | * |
| L Maintaining Engine Systems | * | * | * | * | * |
| M Maintaining Aerospace Ground Equipment (Age) | * | * | * | * | * |
| N Maintaining -21 Ame, Dual Rail Cargo Handling Systems, And -135 Cargo Handling Systems | 1 | 9 | 1 | * | * |
| O Performing Maintenance Management Activities | 7 | 45 | 5 | 4 | 2 |
| P Performing Mobility And Contingency Activities | 4 | 4 | 1 | 43 | 3 |

* INDICATES LESS THAN 1%

NOTE: COLUMNS MAY NOT ADD TO 100 PERCENT DUE TO ROUNDING

TABLE 5

SELECTED BACKGROUND DATA FOR SPECIALTY JOBS
(N=6,935)

| | TRANSIENT ALERT JOB (GP485) | FLIGHT LINE MAINTENANCE CLUSTER (GP344) | ISOCHRONAL INSPECTOR JOB (GP493) | PHASE INSPECTOR JOB (GP714) | DOCK INSPECTOR CLUSTER (GP330) |
|---|--------------------------------------|--|---|--------------------------------------|---|
| NUMBER IN GROUP | 17 | 193 | 17 | 24 | 193 |
| PERCENT OF TOTAL SAMPLE | * | 3% | * | * | 3% |
| PERCENT IN CONUS | 71% | 91% | 94% | 92% | 94% |
| DAFSC DISTRIBUTION | | | | | |
| 2A531A | 0 | 3% | 12% | 4% | 4% |
| 2A531B | 0 | 4% | 12% | 4% | 9% |
| 2A531C | 0 | 5% | 6% | 25% | 3% |
| 2A531D | 0 | 4% | 6% | 8% | 3% |
| 2A531E | 0 | 2% | 0 | 4% | 3% |
| 2A531F | 0 | 3% | 6% | 0 | 0 |
| 2A531G | 0 | 8% | 0 | 0 | 4% |
| 2A531H | 0 | 5% | 0 | 0 | 1% |
| 2A551J | 35% | 31% | 47% | 46% | 37% |
| 2A551K | 0 | 2% | 0 | 0 | 2% |
| 2A551L | 29% | 20% | 6% | 4% | 18% |
| 2A571 | 35% | 13% | 6% | 4% | 17% |
| 2A590 | 0 | 0 | 0 | 0 | 0 |
| PREDOMINANT GRADE(S) | | | | | |
| PERCENT SUPERVISING | E-5 | E-5 | E-4 | E-3 | E-4/E-5 |
| ACTIVE DUTY-AVERAGE MONTHS IN SERVICE | 82% | 13% | 12% | 12% | 22% |
| ACTIVE DUTY-PERCENT IN FIRST ASSIGNMENT | 153 | 46 | 37 | 34 | 65 |
| COMPONENT STATUS | | | | | |
| ACTIVE DUTY | 100% | 52% | 59% | 63% | 60% |
| AIR NATIONAL GUARD | 0 | 30% | 41% | 33% | 27% |
| AIR FORCE RESERVES | 0 | 18% | 0 | 4% | 13% |
| AVERAGE NUMBER OF TASKS PERFORMED | 64 | 67 | 62 | 143 | 107 |

* Less than 1 percent

NOTE: DAFSC Distribution columns may not add to 100 percent due to rounding

TABLE 5 (CONTINUED)

SELECTED BACKGROUND DATA FOR SPECIALTY JOBS
(N=6,935)

| | CREW CHIEF | DEPOT INSPECTOR | QA JOB | FTD INSTRUCTOR | OJT INSTRUCTOR JOB |
|---|--------------------|--------------------|-----------------------------|-------------------|--------------------------|
| | CLUSTER (GP406) | JOB (GP407) | EVALUATOR JOB (GP408) | JOB (GP409) | JOB (GP410) |
| NUMBER IN GROUP | | | | | |
| PERCENT OF TOTAL SAMPLE | | | | | |
| PERCENT IN CONUS | | | | | |
| DAFSC DISTRIBUTION | | | | | |
| 2A531A | 3,615 | 16 | 88 | 34 | 16 |
| 2A531B | 52% | * | 1 | * | * |
| 2A531C | 92% | 100% | 82% | 91% | 81% |
| 2A531D | | | | | |
| 2A531E | | | | | |
| 2A531F | | | | | |
| 2A531G | | | | | |
| 2A531H | | | | | |
| 2A551J | | | | | |
| 2A551K | | | | | |
| 2A551L | | | | | |
| 2A571 | | | | | |
| 2A590 | | | | | |
| PREDOMINANT GRADE(S) | | | | | |
| PERCENT SUPERVISING | | | | | |
| ACTIVE DUTY-AVERAGE MONTHS IN SERVICE | | | | | |
| ACTIVE DUTY-PERCENT IN FIRST ASSIGNMENT | | | | | |
| COMPONENT STATUS | | | | | |
| ACTIVE DUTY | 56% | 88% | 64% | 91% | 63% |
| AIR NATIONAL GUARD | 27% | 6% | 18% | 6% | 25% |
| AIR FORCE RESERVES | 18% | 6% | 18% | 3% | 12% |
| AVERAGE NUMBER OF TASKS PERFORMED | 268 | 171 | 174 | 148 | 356 |

* Less than 1 percent

NOTE: DAFSC Distribution columns may not add to 100 percent due to rounding

TABLE 5 (CONTINUED)

SELECTED BACKGROUND DATA FOR SPECIALTY JOBS
(N=6,935)

| | AERO REPAIR CLUSTER (GP362) | 21 AME SUPPORT CLUSTER (GP206) | EQUIPMENT MANAGEMENT CLUSTER (GP120) | FLIGHT LINE EXPEDITER CLUSTER (GP486) | MAINT CONTROL JOB (GP504) |
|---|--------------------------------------|---|---|--|------------------------------------|
| NUMBER IN GROUP | 437 | 169 | 211 | 154 | 50 |
| PERCENT OF TOTAL SAMPLE | 6 | 2 | 3 | 2 | 1 |
| PERCENT IN CONUS | 90% | 96% | 88% | 87% | 84% |
| DAFSC DISTRIBUTION | | | | | |
| 2A531A | 1% | 4% | 1% | 0 | 0 |
| 2A531B | 0 | 4% | 2% | 0 | 0 |
| 2A531C | 2% | 1% | 1% | 0 | 0 |
| 2A531D | 0 | 1% | 2% | 0 | 0 |
| 2A531E | 0 | 0 | 0 | 0 | 0 |
| 2A531F | 0 | 0 | 0 | 0 | 0 |
| 2A531G | 1% | 0 | 1% | 0 | 0 |
| 2A531H | 0 | 0 | 2% | 0 | 0 |
| 2A551J | 41% | 56% | 43% | 5% | 14% |
| 2A551K | 5% | 0 | 6% | 0 | 2% |
| 2A551L | 14% | 8% | 17% | 0 | 14% |
| 2A571 | 36% | 26% | 23% | 89% | 70% |
| 2A590 | 0 | 0 | 0 | 6% | 0 |
| PREDOMINANT GRADE(S) | | | | | |
| PERCENT SUPERVISING | E-5 | E-5 | E-4 | E-7 | E-6 |
| ACTIVE DUTY-AVERAGE MONTHS IN SERVICE | 47 | 46 | 35 | 75 | 82 |
| ACTIVE DUTY-PERCENT IN FIRST ASSIGNMENT | 115 | 90 | 104 | 201 | 167 |
| COMPONENT STATUS | | | | | |
| ACTIVE DUTY | 51% | 56% | 97% | 84% | 78% |
| AIR NATIONAL GUARD | 16% | 10% | 1% | 5% | 12% |
| AIR FORCE RESERVES | 33% | 34% | 2% | 11% | 10% |
| AVERAGE NUMBER OF TASKS PERFORMED | 180 | 63 | 28 | 49 | 50 |

* Less than 1 percent

NOTE: DAFSC Distribution columns may not add to 100 percent due to rounding

TABLE 5 (CONTINUED)

SELECTED BACKGROUND DATA FOR SPECIALTY JOBS
(N=6,935)

| | SUPERVISOR CLUSTER (GP248) | CAMS JOB (GP520) | TRAINING CLUSTER (GP379) | MOBILITY JOB (GP512) | TO JOB (GP546) |
|---|----------------------------------|------------------------|--------------------------------|----------------------------|----------------------|
| NUMBER IN GROUP | | | | | |
| PERCENT OF TOTAL SAMPLE | 498 | 133 | 78 | 40 | 28 |
| PERCENT IN CONUS | 7 | 2 | 1 | 1 | * |
| "DAFSC DISTRIBUTION | 85% | 88% | 92% | 93% | 86% |
| 2A531A | 0 | 0 | 0 | 0 | 4% |
| 2A531B | 0 | 0 | 0 | 0 | 0 |
| 2A531C | 0 | 2% | 0 | 0 | 0 |
| 2A531D | 0 | 0 | 0 | 0 | 0 |
| 2A531E | 0 | 0 | 0 | 0 | 0 |
| 2A531F | 0 | 0 | 0 | 0 | 0 |
| 2A531G | 0 | 0 | 0 | 0 | 4% |
| 2A531H | 0 | 1% | 0 | 0 | 4% |
| 2A531J | 7% | 37% | 23% | 20% | 29% |
| 2A551K | 1% | 4% | 1% | 8% | 14% |
| 2A551L | 5% | 15% | 10% | 5% | 11% |
| 2A571 | 84% | 40% | 65% | 68% | 36% |
| 2A590 | 3% | 2% | 0 | 0 | 0 |
| "PREDOMINANT GRADE(S) | | | | E-5 | E-5 |
| PERCENT SUPERVISING | 93% | 35% | 46% | 57% | 21% |
| "ACTIVE DUTY-AVERAGE MONTHS IN SERVICE | 191 | 118 | 159 | 166 | 114 |
| ACTIVE DUTY-PERCENT IN FIRST ASSIGNMENT | 0 | 12% | 0 | 6% | 24% |
| COMPONENT STATUS | | | | | |
| ACTIVE DUTY | 84% | 74% | 94% | 100% | 93% |
| AIR NATIONAL GUARD | 4% | 13% | 0 | 0 | 4% |
| AIR FORCE RESERVES | 12% | 14% | 6% | 0 | 4% |
| AVERAGE NUMBER OF TASKS PERFORMED | 91 | 22 | 38 | 54 | 16 |

* Less than 1 percent

NOTE: DAFSC Distribution columns may not add to 100 percent due to rounding

I. TRANSIENT ALERT JOB (STG485)

The 17 airmen in this job are all active duty personnel, and represent less than 1 percent of the total survey sample. The members of this job are primarily responsible for launching and recovering aircraft on the flight line. They marshal, inspect, and perform minor maintenance on aircraft arriving or departing. They are also responsible for the supplies, forms, and documentation associated with these tasks. The members of this job spent the majority of their relative job time in Duty E, Performing General Airframe and Aircraft Maintenance, and Duty A, Performing Management and Supervisory Activities (see Table 4). These are experienced crew chiefs performing an average of 64 tasks. Representative tasks for this job include:

| TRANSIENT ALERT JOB | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 17 | 0 | 0 |
| Average number of tasks performed | 64 | 0 | 0 |
| Average time in present job | 3 yrs | N/A | N/A |
| Average time in career field | 12 yrs | N/A | N/A |
| Average TAFMS | 13 yrs | N/A | N/A |
| Predominant paygrade | E-5 | 0 | 0 |

- remove snow or ice from aircraft
- perform aircraft fueling or defueling
- perform aircraft fuel spill cleanup procedures
- access CAMS or GO- menu and data screens
- perform wing or tail walker procedures during aircraft towing
- launch or recover aircraft

MAJCOM REPRESENTATION IN TRANSIENT ALERT JOB

| USAFE | AETC | AEROC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|-------|-------|-------|-----|------|-----|-----|-----|
| 18% | 0% | 0% | 18% | 0% | 53% | 0% | 0% | 0% | 12% |

Fifty-nine percent of the respondents holding this job are in the E-5 paygrade. Thirty-five percent of these members are DAFSC 2A551J, 29 percent hold the DAFSC 2A551L, and 35 percent are DAFSC 2A571 (see Table 5). Fifty-three percent of airmen assigned to this job are assigned to AMC. Individuals in this job are experienced personnel with an average 13 years in TAFMS. None are in their first enlistment. Eighty-two percent of the airmen in this job report they supervise. This small group of active duty personnel report being assigned primarily to the Transient Alert or Transient Maintenance function. This job has the largest percentage of airmen assigned overseas, 29 percent.

II. FLIGHT LINE MAINTENANCE CLUSTER (STG344)

The 193 members of this cluster represent 3 percent of the total survey sample. This entry-level work involves general aircraft maintenance and is performed by members of all shreds. Unlike the Crew Chief Cluster, this work involves fewer general tasks. The largest part of their relative job time (61 percent) is spent in Duty E, Performing General Airframe and Aircraft Maintenance. An additional 13 percent of this relative job time is spent in Duty F, Maintaining Landing Gear Systems and Duty K, Maintaining Electrical Systems (see Table 4). They perform an average of 67 tasks. Representative tasks for this job include:

| FLIGHT LINE MAINTENANCE CLUSTER | | | |
|-----------------------------------|-------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 100 | 57 | 36 |
| Average number of tasks performed | 64 | 69 | 74 |
| Average time in present job | 2 yrs | N/A | N/A |
| Average time in career field | 4 yrs | N/A | N/A |
| Average TAFMS | 4 yrs | N/A | N/A |
| Predominant paygrade | E-3 | E-5 | E-5 |

- connect or disconnect external electrical aircraft power
- launch or recover aircraft
- perform aircraft fueling or defueling
- service aircraft tires
- remove or install aircraft hardware, such as screws or fasteners
- operate aircraft interphones
- perform ground observer duties

MAJCOM REPRESENTATION IN FLIGHT LINE MAINTENANCE CLUSTER

| USAF | AEIC | AFRC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|------|------|------|-------|-------|-----|------|-----|-----|-----|
| 1% | 5% | 30% | 2% | 2% | 27% | 1% | 19% | 0% | 15% |

Three jobs were identified that differ by time spent on specific tasks and duties. The airmen assigned to the first job spends a larger amount of relative job time on basic flight line responsibilities, such as launching or recovering aircraft, performing foreign object damage (FOD) walks, and operating aircraft interphones, and less relative job time performing general airframe and aircraft maintenance. The airmen assigned to the second job within this cluster spend more of their relative job time on preflight and postflight inspections than the other two groups within this cluster. The airmen assigned to the third job within this cluster spend more relative job time on inspecting and maintaining the fuel and pneudraulic system than the other two job groups, with only 45 percent of their relative job time spent on general airframe and aircraft maintenance.

The airmen within this cluster are primarily assigned to AFRC and AMC. The primary skill levels for this group are the 3- and 5-skill levels (30 percent and 53 percent, respectively). The average active duty TAFMS for this cluster is 4 years, with 70 percent in their first enlistment (see Table 5).

III. ISOCHRONAL INSPECTOR JOB

(STG493). The 17 members of this job account for less than 1 percent of the total survey sample. At scheduled intervals (*according to calendar time*), these members perform a thorough inspection of an aircraft surface and aerospace components and systems. They also perform specific aircraft preventive and required maintenance. Members of this job perform a more in-department inspection than those in the Phase Inspector Job. This work is primarily done within the inspection dock area.

| ISOCHRONAL INSPECTOR JOB | | | |
|-----------------------------------|-------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 10 | 7 | 0 |
| Average number of tasks performed | 57 | 71 | 0 |
| Average time in present job | 1 yr | N/A | N/A |
| Average time in career field | 3 yrs | N/A | N/A |
| Average TAFMS | 3 yrs | N/A | N/A |
| Predominant paygrade | E-4 | E-4 | 0 |

At most bases, the tasks performed by the Isochronal and Phase Inspectors are performed by the same personnel or are part of the Dock Inspector or Crew Chief clusters. However, this job and the Phase Inspector Job are identified separately by the large amount of relative time spent on isochronal or phase inspection tasks. These jobs may be influenced by the number of AFRC personnel working these jobs at certain calendar times. Forty-one percent of the members of this job are assigned to AFRC. The majority of relative job time by airmen assigned to this job is spent in Duty E, Performing General Airframe and Aircraft Maintenance (56 percent) and Duty F, Maintaining Landing Gear Systems (22 percent) (see Table 4). Airmen performing this work perform an average of 62 tasks. This is about one-third the tasks the Phase Inspector does. Representative tasks for this job include:

- remove or install aircraft hardware, such as screws or fasteners
- lubricate aircraft components
- inspect aircraft for corrosion
- inspect aircraft shock struts
- connect or disconnect external electrical aircraft power
- inspect access doors, hatches, or panels
- jack or level aircraft
- inspect landing gear structural components
- inspect aircraft wheel and tire assemblies

MAJCOM REPRESENTATION IN ISOCHRONAL INSPECTOR JOB

| USAFE | AETC | AFRC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 0% | 0% | 41% | 6% | 0% | 29% | 0% | 0% | 0% | 24% |

The largest percent of airmen within this job are assigned to AFRC (41 percent). The average active duty TAFMS for this job is 4 years, with 80 percent of these airmen in their first enlistment. The predominant paygrade is E-4. Forty-two percent of these members hold the 3-skill level and 53 percent hold the 5-skill level (see Table 5).

IV. PHASE INSPECTOR JOB (STG714)

The 24 members of this job represent less than 1 percent of the total survey sample. This job is characterized by the performance of a larger number of tasks pertaining to periodic inspections of parts and components of an aircraft. Sixty-seven percent of these incumbents report being assigned to an inspection phase dock. Seventy-four percent of their relative job time is spent in Duty F, Maintaining Landing Gear Systems and Duty E, Performing General Airframe and Aircraft Maintenance (see Table 4). They perform an average of 140 tasks. Representative tasks for this job include:

- inspect brake systems components
- inspect landing gear trucks, torque struts, or bogies
- inspect landing gear up-lock mechanisms
- inspect landing gear struts
- inspect landing gear mechanical components, such as drag braces, tow spools, pins, or bushings
- inspect landing gear down-lock mechanisms
- inspect landing gear struts
- inspect landing gear mechanical components, such as drag braces, tow spools, pins, or bushings

MAJCOM REPRESENTATION IN PHASE INSPECTOR JOB

| USAFE | AETC | AFRC | PACAF | AESOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 0% | 17% | 33% | 0% | 0% | 42% | 0% | 4% | 0% | 4% |

Airmen holding jobs within this cluster are primarily assigned to AMC (42 percent) and AFRC (33 percent). The primary skill levels for this job are DAFSC 2A551J (46 percent) and DAFSC 2A531C (25 percent) (see Table 5). Active duty airmen holding this job are some of the least experienced members in the career field, averaging 3 years in service with 86 percent in their first enlistment. Their average paygrade is E-3.

V. DOCK INSPECTOR CLUSTER (STG330). This cluster, consisting of 193 members, represents 3 percent of the survey sample. Members of this cluster perform many of the same tasks as the Phase Inspector, but these airmen deal with more general aircraft systems instead of landing gear. Fifty percent of members in this cluster report working in the Aircraft Inspection Dock. Sixty-two percent of their total relative time spent in Duty E, Performing General Airframe and Aircraft Maintenance (see Table 4). Airmen in this group perform an average of 107 tasks. Representative tasks performed by members of this cluster include:

| DOCK INSPECTOR CLUSTER | | | |
|-----------------------------------|-------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 116 | 52 | 25 |
| Average number of tasks performed | 104 | 111 | 117 |
| Average time in present job | 3 yrs | N/A | N/A |
| Average time in career field | 5 yrs | N/A | N/A |
| Average TAFMS | 5 yrs | N/A | N/A |
| Predominant paygrade | E-4 | E-5 | E-4 |

- lubricate aircraft components
- connect or disconnect external electrical aircraft power
- inspect access doors, hatches, or panels
- open or close engine cowlings, panels, or doors, inspect aircraft shock struts
- operate aircraft interphones
- bleed brake systems

MAJCOM REPRESENTATION IN DOCK INSPECTOR CLUSTER

| USAF | AETC | AFRC | PACAF | AFSOC | AMC | AEMC | ANG | ELM | ACC |
|------|------|------|-------|-------|-----|------|-----|-----|-----|
| 3% | 3% | 27% | 2% | 4% | 28% | 1% | 13 | 0% | 20% |

Three major jobs were identified within this cluster. The distinguishing difference between these jobs is the amount of relative job time spent on performing general airframe and aircraft maintenance, and the relative time spent on inspecting and maintaining certain parts and systems of an aircraft.

Members of the first job report spending larger relative amount of time inspecting, maintaining, and repairing access doors, hatches, and panels. They also spend more time in managerial and supervisory activities than the other two jobs within this cluster. The members of the second job spend more of their job time maintaining landing gear and flight control systems. The members of the third job are the least experienced group of airmen in this cluster, with 38 percent of these members in their first enlistment. Airmen in this cluster report performing the largest number of tasks for this cluster, 113 tasks.

Most of the personnel in this cluster are in either the E-4 or E-5 paygrade. Twenty-eight percent of the airmen working within this cluster are assigned to AMC and 27 percent to AFRC. The predominate skill levels held by these airmen are 2A551J (37 percent), 2A551L (18 percent), and 2A571 (17 percent) (see Table 5). The active duty members of this cluster average 5 years TAFMS and 56 percent are in their first enlistment.

VI. CREW CHIEF CLUSTER (STG525).

The 3,615 members of this cluster make up the core job in the AFSC 2A5X1 career ladder, comprising 52 percent of the survey sample. Members are responsible for flight line maintenance on a wide variety of aircraft. The largest percentage of their relative job time (41 percent) is spent on Duty E, Performing General Airframe and Aircraft Maintenance, with smaller amounts of time being spent maintaining landing gear and utility systems, and performing general engine maintenance (see Table 4). This cluster is not only the broadest, but airmen working in this cluster perform the second highest number of tasks in the survey, 268. Representative tasks performed by members of this cluster include:

- connect or disconnect external electrical aircraft power
- launch or recover aircraft
- perform aircraft fueling or defueling
- operate aircraft interphones
- remove or install aircraft hardware, such as screws or fasteners
- service engines with oil
- open or close engine cowlings, panels, or doors
- inspect aircraft wheel and tire assemblies
- service aircraft tires

MAJCOM REPRESENTATION IN CREW CHIEF CLUSTER

| USAF | AFIC | AFRC | PACAF | AESOC | AMC | AFMC | ANG | ELM | ACC |
|------|------|------|-------|-------|-----|------|-----|-----|-----|
| 1% | 5% | 27% | 2% | 3% | 26% | 2% | 18% | 0% | 17% |

The jobs within this large cluster are distinguished by the type of aircraft and systems maintained or inspected and repairs performed. Members of all jobs perform a large number of common crew chief tasks.

The primary MAJCOMs within this large cluster are AFRC (27 percent) and AMC (26 percent). This cluster contains the largest percent of airmen assigned to AFRC. The active duty crew chiefs in this cluster average 8 years TAFMS, and 32 percent are in their first enlistment. Most of the crew chiefs in this group hold either the 5- or 7-skill level with 61 percent in the paygrade of E-5 (see Table 5).

VII. DEPOT INSPECTOR JOB (STG472)

The 16 airmen in this job make up less than 1 percent of the survey sample and are responsible for aircraft maintenance in large depot installations. Like members of the Isochronal Inspector Job, they too are responsible for preventive inspections and repairs. Members in the Depot Inspector Job perform an average of 171 tasks in comparison to members in the Isochronal Inspector Job, who perform only 62 tasks. Depot Inspectors spend more relative job time in Duty A, Performing Management and Supervisory Activities (9 percent) in comparison to 1 percent in the Isochronal Inspector Job (see Table 4). This job is primarily manned by personnel assigned to AMC (75 percent). Representative tasks performed by members of this job include:

- inspect access doors, hatches, or panels
- inspect pressure seals, such as crew doors, ramps, or visor seals
- inspect cargo ramp seals
- lubricate aircraft components
- inspect aircrew worktables
- repair seats
- inspect fuse, circuit breaker, power control assemblies or current limiter panels
- clean interior of aircraft
- inspect crew door systems

MAJCOM REPRESENTATION IN DEPOT INSPECTOR JOB

| USAFE | AETC | AFRC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 0% | 0% | 6% | 0% | 0% | 75% | 0% | 6% | 0% | 13% |

Active duty members of this job average 10 years TAFMS, with only 14 percent report being in their first enlistment. Members of this job primarily hold the 7-skill level (44 percent); with 38 percent holding DAFSC 2A551J and 6 percent holding DAFSC 2A551L (see Table 5). Sixty-two percent of the airmen in this job report they supervise. The predominant paygrade is E-5, and all members are stationed in CONUS.

VIII. QUALITY ASSURANCE EVALUATOR JOB (STG511). The 88 members in this job represent 1 percent of the total survey sample. Members in this job are primarily responsible for performing inspections. Most respondents report a job title of "Quality Assurance Evaluator" or "Inspector." The largest percentage of their relative job time is spent in Duty E, Performing General Airframe and Aircraft Maintenance and Duty A, Performing Management and Supervisory Activities (see Table 4). The members of this job perform an average of 174 tasks. Representative tasks performed by members of this job include:

- inspect radomes
- inspect aircraft for corrosion
- inspect aircraft shock struts
- inspect landing gear struts
- inspect landing gear structural components
- inspect aircraft windows or windshields
- inspect engine cowlings, panels, or doors
- inspect aircraft wheel and tire assemblies
- inspect landing gear door mechanisms
- inspect seats, seatbelts, inertial reels, or shoulder harnesses
- inspect rudders
- inspect access doors, hatches, or panels

MAJCOM REPRESENTATION IN QUALITY ASSURANCE EVALUATOR JOB

| USAFE | AETC | AFRC | PACAF | AFSOC | AMC | AEMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 8% | 13% | 19% | 5% | 3% | 16% | 3% | 17% | 0% | 16% |

Active duty members in this group average 15 years TAFMS with none of these members in their first enlistment. Eighty-nine percent of members in this job hold the 7-skill level, with an additional 6 percent holding the 9-skill level (see Table 5). The predominate paygrade is E-7 (47 percent) with an additional 32 percent in the E-6 paygrade.

| QUALITY ASSURANCE EVALUATOR JOB | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 56 | 17 | 15 |
| Average number of tasks performed | 163 | 196 | 190 |
| Average time in present job | 2 yrs | N/A | N/A |
| Average time in career field | 15 yrs | N/A | N/A |
| Average TAFMS | 15 yrs | N/A | N/A |
| Predominant paygrade | E-7 | E-7 | E-7 |

IX. FTD INSTRUCTOR JOB (STG576).

This job, containing 34 airmen, is performed by less than 1 percent of the total survey sample. FTD instructors conduct follow-on training which certifies newly assigned airmen on specific aircraft. FTD training is conducted at operational bases and consists of "hands on" or "hot" training on actual aircraft systems in both the flight line and maintenance shop environment. An additional third course (hands-on or MRT) is required for specific aircrafts such as the C-130 and C-141. These MRT courses are taught by FTD instructors. These instructors spend 64 percent of their relative job time in Duty E, Performing General Airframe and Aircraft Maintenance, Duty B, Performing Training Activities, and Duty A, Performing Management and Supervisory Activities (see Table 4). The average number of tasks these members perform is 148. Representative tasks performed by members of this job include:

- conduct OJT
- evaluate progress of trainees
- direct training functions
- personalize lesson plans
- direct training functions
- connect or disconnect external electrical aircraft power
- operate aircraft interphones
- service aircraft accumulators
- service hydraulic system reservoirs
- clear Red-X conditions

MAJCOM REPRESENTATION IN FDT INSTRUCTOR JOB

| USAFE | AETC | AERC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 0% | 35% | 6% | 3% | 0% | 35% | 0% | 3% | 0% | 18% |

Active duty personnel in this job average 13 years TAFMS, with none of these airmen in their first enlistment. Sixty-five percent of these incumbents hold the 7-skill level (see Table 5). Fifty percent of these instructors are in the E-5 paygrade, with an additional 47 percent in either E-6 or E-7 paygrade.

| FTD INSTRUCTOR JOB | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 31 | 2 | 1 |
| Average number of tasks performed | 145 | 0 | 0 |
| Average time in present job | 3 yrs | N/A | N/A |
| Average time in career field | 12 yrs | N/A | N/A |
| Average TAFMS | 13 yrs | N/A | N/A |
| Predominant paygrade | E-5 | N/A | N/A |

X. OJT INSTRUCTOR JOB (STG482). The 16 members of this small job represent less than 1 percent of the total survey sample. These airmen work in a variety of different functional areas such as: Flight Line, Training, or Hazardous Materials Office. These instructors perform a broader range of tasks than FDT instructor. They report only spending 9 percent of their relative job time on training in comparison to the 19 percent reported by FDT instructors. OJT Instructors perform more regular aerospace maintenance tasks than the FDT instructors, performing an average of 356 tasks. This is the highest number of tasks performed by any jobs or clusters identified. Thirty percent of their relative job time is spent in performing general airframe and aircraft maintenance; and 24 percent is spent on management and supervisory duties (see Table 4). Representative tasks performed by members of this job include:

- conduct training conferences, briefings or debriefings
- maintain training records or files
- conduct supervisory orientations for newly assigned personnel
- determine training requirements
- determine or establish work assignments or priorities
- evaluate in-process maintenance
- maintain or update contingency plans, mobility plans, or base support plans
- evaluate effectiveness or training programs, plans, or procedures
- connect or disconnect external electrical aircraft power
- coordinate cannibalization of parts with appropriate agencies

MAJCOM REPRESENTATION IN OJT INSTRUCTOR JOB

| USAFE | AETC | AFRC | PACAF | AESOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 0% | 0% | 25% | 6% | 0% | 50% | 0% | 13% | 0% | 6% |

The active duty airmen in this group average 10 years TAFMS, with 20 percent in their first enlistment. The majority of these members are in the E-5 or E-6 paygrade and 50 percent indicated they directly supervise other personnel. Fifty-seven percent of these incumbents report holding the 5-skill level DAFSC (2A551J = 38 percent and 2A551L = 19 percent) and 31 percent hold the 7-skill level (see Table 5).

| OJT INSTRUCTOR JOB | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 10 | 4 | 2 |
| Average number of tasks performed | 356 | N/A | N/A |
| Average time in present job | 2 yrs | N/A | N/A |
| Average time in career field | 10 yrs | N/A | N/A |
| Average TAFMS | 10 yrs | N/A | N/A |
| Predominant paygrade | E-5 | N/A | N/A |

XI. AERO REPAIR CLUSTER (STG362).

This job is performed by the second largest number of respondents within the career field (437 members), comprising 6 percent of the total sample. Members of this cluster spend 52 percent of their relative job time maintaining flight control and landing gear systems (see Table 4). Incumbents in this cluster perform an average of 180 tasks. They are responsible for adjusting, inspecting, removing, and installing flight control systems, such as rudders, elevators, aileron, and flaps. They also inspect, troubleshoot, and adjust landing gear and entry door systems. Representative tasks performed by members of this job include:

| AERO REPAIR CLUSTER | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 225 | 143 | 69 |
| Average number of tasks performed | 168 | 191 | 199 |
| Average time in present job | 4 yrs | N/A | N/A |
| Average time in career field | 9 yrs | N/A | N/A |
| Average TAFMS | 10 yrs | N/A | N/A |
| Predominant paygrade | E-5 | E-6 | E-6 |

- inspect flight control cable tensions
- check flight control surface travel, using protractors templates, or rigging devices
- adjust trailing edge flaps or trailing edge flap systems components
- adjust ailerons or aileron system components
- adjust elevators or elevator system components
- operationally check aileron system components
- adjust rudders or rudder control mechanisms
- remove or install trailing edge flaps
- operate landing gear or wheel well doors
- operationally check elevator systems
- adjust landing gear steering system components

MAJCOM REPRESENTATION IN AERO REPAIR CLUSTER

| USAF | AETC | AFRC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|------|------|------|-------|-------|-----|------|-----|-----|-----|
| 3% | 5% | 33% | 3% | 2% | 22% | 1% | 16% | 0% | 16% |

Within this cluster, two major jobs were identified, distinguished primarily by relative time spent on certain duties. The first job makes up 94 percent of the cluster. These airmen spend more relative job time dealing with maintaining flight control systems than the other job within this cluster. The airmen in the second job spend more job time on inspecting, maintaining, and repairing entry and cargo doors and ramps than the first job.

This cluster has the highest percent of ANG personnel assigned (16 percent); and the primary MAJCOM represented within this cluster is AFRC (33 percent). Active duty airmen in this large cluster average 10 years TAFMS, with only 17 percent in their first enlistment. The primary

DAFSCs for this cluster are 2A551J (45 percent) and 2A571 (36 percent) (see Table 5). The predominate paygrades for this cluster is E-5 (39 percent) and E-6 (32 percent). Forty-seven percent of the airmen in this cluster supervise other personnel.

XII. -21 ALTERNATE MISSION EQUIPMENT (AME) SUPPORT CLUSTER (STG206)

The 169 members of this cluster represent only 2 percent of the survey sample. Their primary responsibility is maintaining -21 AME and dual rail cargo handling systems on airlift aircraft. They also determine the layout and configuration of cargo compartments in accordance with the needs of the particular mission assigned. As expected, the largest percent of their job time (43 percent) is spent in Duty N, Maintaining -21 AME, Dual Rail Cargo Handling Systems, and -135 Cargo Handling Systems (see Table 4). They perform an average of 63 tasks. Representative tasks performed by members of this job include:

| -21 AME SUPPORT CLUSTER | | | |
|-----------------------------------|-------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 95 | 57 | 17 |
| Average number of tasks performed | 51 | 80 | 77 |
| Average time in present job | 2 yrs | N/A | N/A |
| Average time in career field | 7 yrs | N/A | N/A |
| Average TAFMS | 7 yrs | N/A | N/A |
| Predominant paygrade | E-4 | E-5 | E-6 |

- remove or install -21 AME, other than seats
- inspect -21 AME, other than emergency equipment
- perform -21 AME downloads or uploads
- perform maintenance on -21 AME
- perform repairs on cargo compartment seats or litters
- maintain cargo loading winches
- pack or unpack -21 AME
- remove or install dual-rail or -135 cargo handling system components
- evaluate aircraft configuration changes
- repair seats
- pick up or deliver equipment, tools, parts, or supplies

MAJCOM REPRESENTATION IN -21 AME SUPPORT CLUSTER

| USAFE | AETC | AEROC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|-------|-------|-------|-----|------|-----|-----|-----|
| 1% | 3% | 34% | 1% | 5% | 37% | 0% | 10% | 0% | 10% |

Within this cluster, several smaller jobs were identified. The jobs separate according to the amount of time incumbents spend in Duties A, E, and N, and the experience level of incumbents. Lesser experienced airmen in the career ladder spend more relative job time on maintaining general airframe and aircraft maintenance (Duty E). More experienced incumbents spent more relative job time maintaining -21 AME, Dual Rail and -135 Cargo Handling Systems (Duty N), and performing managerial and supervisory activities (Duty A).

Sixty-four percent of the personnel in this cluster hold the 5-skill level, with an additional 26 percent holding the 7-skill level. (see Table 5). The predominant paygrade held by these members is E-4. The average active duty TAFMS is 7 years, with 27 percent in their first enlistment.

XIII. EQUIPMENT MANAGEMENT CLUSTER (STG120). The 211 airmen in this cluster represent 3 percent of the total sample. They spend 45 percent of their relative job time in administrative and supply functions, which is a larger percent of their relative job time than members of any other job in the career ladder. This cluster is very specialized, with airmen performing an average of only 28 tasks. Incumbents spend the majority of their relative job time in Duty D, Performing General Supply and Equipment Activities (45 percent) and Duty A, Performing Management and Supervisory Activities (26 percent) (see Table 4). These airmen are responsible for controlling and issuing all equipment used by maintenance personnel. In addition, they inventory consolidated tool kits, evaluate the serviceability of equipment and supplies, and complete required maintenance forms. Representative tasks performed by members of this cluster include:

- store equipment, tools, parts, or supplies
- inventory equipment, tools, parts, or supplies
- issue or log turn-ins of equipment, tools, parts, or supplies
- evaluate serviceability of equipment, tools, parts, or supplies
- identify and report equipment or supply problems
- pick up or deliver equipment, tools, parts, or supplies
- maintain documentation on items requiring periodic inspections
- initiate requisitions for equipment, tools, parts, or supplies
- maintain documentation on items requiring periodic inspections

MAJCOM REPRESENTATION IN EQUIPMENT MANAGEMENT CLUSTER

| USAFE | AETC | AFRC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 2% | 6% | 2% | 5% | 5% | 53% | 2% | 1% | 0% | 24% |

Three jobs were identified within this cluster. Members of the first job make up 38 percent of this cluster. They perform an average of only 16 tasks dealing primarily with the administrative area of supply and equipment activities such as: maintaining, inventorying, sorting, issuing or logging equipment, tools, parts or supplies. Eighty percent of these airmen report working primarily in the "Tool Crib," and 67 percent hold the job title of Consolidated Tool Kit Monitor.

| EQUIPMENT MANAGEMENT CLUSTER | | | |
|-----------------------------------|-------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 205 | 5 | 1 |
| Average number of tasks performed | 28 | 0 | 0 |
| Average time in present job | 8 yrs | N/A | N/A |
| Average time in career field | 8 yrs | N/A | N/A |
| Average TAFMS | 9 yrs | N/A | N/A |
| Predominant paygrade | E-4 | N/A | N/A |

The second group are more experienced personnel. They average performing an average of only 13 tasks. They coordinate material deficiency reports, handle due-in-from maintenance transactions, and initiate and justify requisitions for equipment, tools, parts or supplies.

The third group are the most experienced personnel in this cluster and they report supervising and managing the supply areas. They perform an average of 36 tasks. These airmen report working in three primary work areas: Tool Crib, Wheel and Tire Shop, and Materiel Support.

Sixty-six percent of the personnel in this cluster hold the 5-skill level (DAFSC 2A551J = 43 percent, DAFSC 2A551K = 6 percent, DAFSC 2A551L = 17 percent) and 23 percent hold a 7-skill level (see Table 5). These incumbents are predominately in the E-4 and E-5 paygrades. The average TAFMS for the active duty members in this cluster is 9 years. Eighteen percent of these airmen are in their first enlistment. Thirty-five percent of the airmen in this cluster report they supervise and only 12 percent are assigned outside CONUS.

XIV. FLIGHT LINE EXPEDITER JOB (STG486). The 154 members of this job represent 2 percent of the total survey sample. Their primary function involves directing and coordinating activities of maintenance personnel. Expediter perform their job by patrolling the flight line and relaying the operational needs of the flight line to the controllers. Seventy-one percent of their relative job time is spent in Duty A, Performing Management and Supervisory Activities and Duty O, Performing Maintenance Management Activities (see Table 4). They perform an average of only 49 tasks. Representative tasks performed by members of this job include:

| FLIGHT LINE EXPEDITER JOB | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 129 | 17 | 8 |
| Average number of tasks performed | 49 | 43 | 49 |
| Average time in present job | 3 yrs | N/A | N/A |
| Average time in career field | 16 yrs | N/A | N/A |
| Average TAFMS | 17 yrs | N/A | N/A |
| Predominant paygrade | E-7 | E-7 | E-7 |

- determine or establish work assignments or priorities
- review aircraft flight or maintenance records, such as AF Forms 781 series
- coordinate maintenance or supply problems with appropriate agencies
- coordinate cannibalization of parts with appropriate agencies
- coordinate aircraft launch and recovery times with aircrews or appropriate agencies
- plan or schedule work assignments or priorities
- clear Red-X conditions
- assign maintenance and repair work
- adjust daily maintenance plans to meet operation commitments

MAJCOM REPRESENTATION IN FLIGHT LINE EXPEDITER JOB

| USAFE | AETC | AFRC | PACAF | AESOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 5% | 5% | 11% | 2% | 4% | 39% | 2% | 5% | 1% | 27% |

Active duty members in this job average the highest TAFMS in the total survey sample with 17 years; none are in their first enlistment. Ninety-five percent of these members hold the 7- or 9-skill level and are in the E-6 or E-7 paygrade (see Table 5). Seventy-five percent of these members supervise. Thirteen percent of the airmen assigned to this cluster are assigned outside CONUS.

XV. MAINTENANCE CONTROL JOB

(STG504). The 50 members of this job make up less than 1 percent of the total survey sample. On some flight lines they report to the Flight Line Expediter. Maintenance Controllers are responsible for acting as liaison between maintenance and other agencies, maintaining and updating status indicators of aircraft and recording the progress of maintenance on the flight line. Job incumbents spend the majority of their relative job time (46 percent) working in Duty A, Performing Management and Supervisory Activities, and Duty O, Performing Maintenance Management Activities (18 percent) (see Table 4). They perform an average of 50 tasks. Representative tasks performed by members of this job include:

| MAINTENANCE CONTROL JOB | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of embers | 39 | 5 | 6 |
| Average number of tasks performed | 52 | 39 | 50 |
| Average time in present job | 3 yrs | N/A | N/A |
| Average time in career field | 13 yrs | N/A | N/A |
| Average TAFMS | 14 yrs | N/A | N/A |
| Predominant paygrade | E-5 | E-6 | E-7 |

- access core automated maintenance systems (CAMS) or G0-81 menus and data screen
- retrieve CAMS or G0-81 listings or reports
- maintain or update status indicators, such as boards, graphs, or charts
- update maintenance data collection (MDC) data in CAMS or G0-81
- review flight schedules
- determine or establish work assignments or priorities
- coordinate maintenance or supply problems with appropriate agencies
- coordinate cannibalization of parts with appropriate agencies
- coordinate aircraft launch and recovery times with aircrews or appropriate agencies

MAJCOM REPRESENTATION IN MAINTENANCE CONTROL JOB

| USAFE | AETC | AFRC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 4% | 2% | 10% | 4% | 6% | 38% | 0% | 12% | 0% | 24% |

Like members in the Flight Line Expediter, the personnel in this job are well experienced averaging 14 years TAFMS with none in their first enlistment. Seventy percent of members in this job hold the 7-skill level (see Table 5). Ninety-four percent of these members are in paygrade E-5 through E-7.

XVI. SUPERVISOR CLUSTER (STG248)

Members of this cluster make up 7 percent of the total sample. These 498 members perform various jobs, all of which are supervisory in nature. For example, many members report such job titles as Flight Line Expediter, Maintenance Control Coordinator, Hazardous Material Specialist, and Flight Chief. Personnel in this cluster primarily perform supervisory and management tasks, and perform very few technical tasks. Sixty-five percent of their relative job time is spent in Duties A, Performing Management and Supervisory Activities, Duty B, Performing Training Activities, and Duty D, Performing Maintenance Management Activities (see Table 4). They perform an average of 91 tasks. Representative tasks performed by members of this cluster include:

| SUPERVISOR CLUSTER | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 417 | 58 | 23 |
| Average number of tasks performed | 88 | 102 | 119 |
| Average time in present job | 2 yrs | N/A | N/A |
| Average time in career field | 15 yrs | N/A | N/A |
| Average TAFMS | 16 yrs | N/A | N/A |
| Predominant paygrade | E-7 | E-7 | E-7 |

- supervise military personnel
- write performance reports or supervisory appraisals
- inspect personnel for compliance with military standards
- determine or establish work assignments or priorities
- counsel subordinates concerning personal matter
- participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting
- interpret policies, directives, or procedures for subordinates
- develop or establish work schedules
- establish performance standards for subordinates
- evaluate personnel for promotion, demotion, reclassification, or special awards

MAJCOM REPRESENTATION IN SUPERVISOR CLUSTER

| USAFE | AETC | AFRC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 2% | 8% | 12% | 7% | 4% | 38% | 2% | 5% | 0% | 23% |

The three jobs within this cluster are distinguished by the amount of time spent in supervisory and technical duties, and the number of tasks performed. The airmen in the first job spend the least amount of their relative job time performing supervisory duties as compared to other jobs within the cluster. They spend their relative job time performing training and maintenance management activities. This group of supervisors perform an average of 163 tasks.

The airmen in the second job spend 57 percent of their relative job supervising and 12 percent performing training duties. This group of supervisors performs an average of 87 tasks. The personnel in the third job spend 73 percent of their relative job supervising and 11 percent performing training duties. This group of supervisors average performing only 32 tasks.

Active duty members of this cluster report the second highest level of experience, second only to the Flight Line Expediter Job. They average 16 years TAFMS with none in their first enlistment. Eighty-four percent of the airmen in this cluster hold the 7-skill level (see Table 5). Ninety-three percent of the airmen in this cluster report they supervise other personnel. The predominate paygrade is E-7 (53 percent) with 3 percent holding the 9-skill level.

XVII. CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) JOB (STG520). The 133 members in this job represent 2 percent of the total survey sample. The focus of this job is on performing the CAMS functions. Most MAJCOMs use the standard Air Force CAMS, while AMC personnel use the CAMS or G0-81. These systems are used by aircraft maintenance personnel to update aircraft status and location, schedule discrepancies or review organizational maintenance, and debrief inquiry aircraft. Sixty-eight percent of their relative job time is spend in Duty O, Performing Maintenance Management Activities and Duty A, Performing Management and Supervisory Activities (see Table 4). This job is fairly narrow, containing only 22 tasks. Representative tasks performed by members of this job are:

| CAMS JOB | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 98 | 18 | 17 |
| Average number of tasks performed | 21 | 26 | 26 |
| Average time in present job | 2 yrs | N/A | N/A |
| Average time in career field | 9 yrs | N/A | N/A |
| Average TAFMS | 10 yrs | N/A | N/A |
| Predominant paygrade | E-4 | E-6 | E-7 |

- access core automated maintenance system (CAMS) G0-81 menus and data screens
- retrieve CAMS or G0-81 listing or reports
- verify accuracy of CAMS or G0-81 daily inputs
- analyze CAMS or G0-81 data
- update maintenance data collection (MDC) data in CAMS or G0-81
- compile data for records, reports, logs, or trend analyses
- update historical reports in CAMS or G0-81

MAJCOM REPRESENTATION IN CAMS JOB

| USAFE | AETC | AFRC | PACAF | AFSOC | AMC | AEMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 2% | 8% | 14% | 0% | 1% | 46% | 1% | 13% | 0% | 17% |

Active duty personnel in this job average 10 years TAFMS, with 12 percent in their first enlistment. The predominate paygrades of job incumbents are E-4 (38 percent) and E-5 (24 percent). Fifty-six percent of airmen in this job hold the 5-skill level (DAFSC 2A551J = 37 percent, DAFSC 2A551K = 14 percent, DAFSC 2A551L = 15 percent) and 40 percent hold the 7-skill level (see Table 5). Thirty-five percent of the airmen in this job report they supervise.

XVIII. TRAINING CLUSTER (STG379). This cluster comprises 1 percent of the total survey sample. These 78 members conduct the technical school training that all Aerospace Maintenance personnel must attend. This training includes the Fundamentals course and the aircraft-specific training courses conducted at Sheppard AFB TX. This group of instructors spends an average of 50 percent of their relative job time in Duty B, Performing Training Activities. Unlike the FTD Instructor Job or the OJT Instructor Job, where only 38 percent is spent on training (see Table 4). The members in the Training Cluster perform an average of 38 tasks. Representative tasks performed by members of this cluster job include:

| TRAINING CLUSTER | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 73 | 5 | 0 |
| Average number of tasks performed | 37 | 45 | 0 |
| Average time in present job | 2 yrs | N/A | N/A |
| Average time in career field | 12 yrs | N/A | N/A |
| Average TAFMS | 13 yrs | N/A | N/A |
| Predominant paygrade | E-5 | E-7 | 0 |

- direct training functions
- evaluate progress of trainees
- plan or schedule training
- develop training materials or aids
- conduct formal course classroom training
- administer or score tests
- personalize lesson plans
- develop training programs, plans, or procedures
- evaluate effectiveness of training programs, plans or procedures
- maintain training records of files

MAJCOM REPRESENTATION IN TRAINING CLUSTER

| USAFE | AETC | AFRC | PACAF | AFSOC | AMC | AEMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 1% | 38% | 6% | 3% | 4% | 29% | 1% | 0% | 0% | 17% |

Two jobs are found within this cluster. The instructors in the first job spend more relative job time performing training activities (61 percent) than the other instructor job within this cluster. The primary job titles reported by these instructors are Technical Training School Instructor (42 percent), Maintenance Instructor (18 percent), and Field Training Instructor (8 percent). They perform an average of 33 tasks.

The instructors in the second job spend 40 percent of their relative job time performing training activities and 37 percent performing management and supervisory activities. These airmen spend approximately 6 percent of their relative job time on technical duties. The primary job titles reported by these instructors are Training Manager (40 percent) and Training Monitor (40 percent). They perform an average of 43 tasks.

Sixty-five percent of the instructors in this cluster hold the 7-skill level and 34 percent hold the 5-skill level (see Table 5). The predominant paygrade is E-5 (44 percent), with an additional 47 percent comprised of E-6 and E-7. The average active duty TAFMS is 13 years with none of the members in their first enlistment. Forty-six percent of these job incumbents report they supervise.

XIX. MOBILITY JOB (STG512). The 40 members of this job comprise less than 1 percent of the total survey sample. This small group of experienced personnel are responsible for performing mobility and contingency activities. They spend 74 percent of their relative job time in Duty P, Performing Mobility and Contingency Activities (43 percent) and Duty A, Performing Management and Supervisory Activities (31 percent) (see Table 4). They perform an average of 54 tasks. Representative tasks performed by members of this job include:

| MOBILITY JOB | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 40 | 0 | 0 |
| Average number of tasks performed | 54 | 0 | 0 |
| Average time in present job | 2 yrs | N/A | N/A |
| Average time in career field | 11 yrs | N/A | N/A |
| Average TAFMS | 14 yrs | N/A | N/A |
| Predominant paygrade | E-5 | 0 | 0 |

- identify equipment or personnel requirements for mobility exercises or deployments
- brief deploying personnel
- review availability status of personnel for deployments
- verify eligibility of tasked personnel for deployments
- participate in mobility positions
- inspect mobility bags or kits
- develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans
- pack or palletize mobility or contingency equipment for shipment or movement
- plan deployments of equipment or personnel

MAJCOM REPRESENTATION IN MOBILITY JOB

| USAFE | AETC | AFRC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 0% | 0% | 0% | 3% | 5% | 45% | 0% | 0% | 0% | 48% |

The active duty members in this job average 14 years TAFMS, with 6 percent in their first enlistment. Eighty-five percent are in the E-5 or higher paygrade; and 68 percent hold the 7-skill level (see Table 5).

XX. TECHNICAL ORDER (TO) JOB (STG546). This small group of 28 members comprise less than 1 percent of the total survey sample. This group monitors the Technical Order library and is responsible for the day-to-day operation of the technical library within the maintenance complex. This is a very narrowly focused job, with 84 percent of their relative job time spent in Duty C, Performing General Administrative and Technical Orders System Activities (see Table 4). They perform an average of only 16 tasks. Representative tasks performed by members of this job include:

| TECHNICAL ORDER JOB | | | |
|-----------------------------------|--------|------|-----|
| | AD | AFRC | ANG |
| Number of members | 26 | 1 | 1 |
| Average number of tasks performed | 16 | N/A | N/A |
| Average time in present job | 2 yrs | N/A | N/A |
| Average time in career field | 9 yrs | N/A | N/A |
| Average TAFMS | 10 yrs | N/A | N/A |
| Predominant paygrade | E-5 | 0 | 0 |

- maintain automated technical management system (ATOMS) accounts
- maintain technical order libraries
- review technical order changes
- establish ATOMS accounts
- review technical order changes
- maintain time compliance technical orders
- destroy classified materials
- determine or establish publication requirements
- conduct self-inspections or self-assessments
- maintain technical order operating lists

MAJCOM REPRESENTATION IN TO JOB

| USAFE | AETC | AFRC | PACAF | AFSOC | AMC | AFMC | ANG | ELM | ACC |
|-------|------|------|-------|-------|-----|------|-----|-----|-----|
| 4% | 4% | 4% | 0% | 0% | 43% | 7% | 4% | 0% | 36% |

These incumbents are experienced personnel, with 43 percent holding the 7-skill level (see Table 5). The predominate paygrades for these airmen are E-4 (32 percent), E-5 (39 percent) and E-6 (21 percent). The average TAFMS for the active duty personnel in this job is 10 years, with 24 percent in their first enlistment. Twenty-one percent of the airmen in this job report they supervise.

Comparison of Current Group Descriptions to Previous Study

The results of the specialty job analysis were compared to the last three OSRs, Airlift Aircraft Maintenance (formerly AFSC 457X2), Aircraft Pneudraulic Systems (formerly AFSC 454X4A), and Strategic Aircraft Maintenance (formerly AFSC 457X0) dated July 1992, June 1993, and January 1993 (respectively). Table 6 lists the jobs identified in the current study and their equivalent jobs from the three OSRs listed above. After reviewing the tasks comprising the jobs identified in the previous OSRs, most of the groups could be linked to similar jobs in the current study.

Current Study

The Crew Chief Cluster in the current study was broken down into four jobs in the Strategic Aircraft Maintenance OSR (1993): Crew Chief, Assistant Crew Chief, Aircraft Maintenance Team Job, and Flightline First-Line Supervisor Cluster. Some of the previously identified jobs did not match the jobs of the current study. Since the merger of the Aircraft Pneudraulics 'A' shred, Strategic Aircraft Maintenance, and the Airlift Aircraft Maintenance in 1993, some of the specificity of the former AFSCs have merged to form one job with a wider variety of tasks.

In the current study, some jobs were identified by the functional area as well as the type of aircraft systems maintained. As evidenced in the Depot Inspector Cluster, these airmen work at a large facility and primarily maintain heavy aircraft such as C-5, C-130, KC-135, and C-141. In comparison, the Dock Inspector Cluster job time is distributed between heavies and strategic aircraft such as: B-1, B-2, B-52, E-3, E-4, and E-8. Other jobs are separated according to type of inspections, maintenance, and repairs performed by members of the group.

Four jobs were identified in the current study that were not specifically identified in any of the previous studies. These jobs include Dock Inspector Cluster, Depot Inspector Cluster, OJT Instructor Job, and Mobility Job. One reason may be that the previous reports did not include AFRC. The Dock Inspector Cluster has 27 percent of their members assigned to AFRC; and the OJT Instructor Job has 25 percent of their members assigned to AFRC.

TABLE 6

JOB SPECIALTY COMPARISONS BETWEEN CURRENT AND PREVIOUS SURVEYS

| | | | |
|---|---|---|---|
| Aerospace Maintenance Current Survey (N=6,935) | Airlift Aircraft Maintenance Previously AFSC 457X2 July 1992 (N=2,873) | Aircraft Pneumatic Systems Previously AFSC 454X4/A June 1993 (N=2,032) | Strategic Aircraft Maintenance Previously AFSC 457X0 January 1993 (N=3,440) |
| Transient Alert Job Flight Line Maintenance Cluster | Transient Alert Flight Line Crew Chief | Phase Inspector | Crew Chief Assistant Crew Chief |
| Isochronal Inspector Job Phase Inspector Job Dock Inspector Cluster Crew chief Cluster | Isochronal Inspector | Aircraft Maintenance Team Job Flightline First-Line Supervisor Cluster | Aircraft Maintenance Team Job Flightline First-Line Supervisor Cluster |
| DEPOT Inspector Job Quality Assurance Evaluator Job | Quality Assurance Evaluation | Quality Assurance Evaluator Job | Field Training Detachment (FTD) Instructor Job |
| Field Training Detachment (FTD) Instructor Job OJT Instructor Job Aero Repair Cluster -21 Alternate Mission Equipment (AME) Support Cluster | | | Aero Repair Cluster -21 Alternate Mission Equipment (AME) Support Cluster 21 AME |

TABLE 6 (CONTINUED)

JOB SPECIALTY COMPARISONS BETWEEN CURRENT AND PREVIOUS SURVEYS

| | | | |
|---|---|---|---|
| Aerospace Maintenance Current Survey (N=6,935) | Airlift Aircraft Maintenance Previously AFSC 457X2 July 1992 (N=2,873) | Aircraft Pneudraulic Systems Previously AFSC 454X4/A June 1993 (N=2,032) | Aircraft Pneudraulic Systems Previously AFSC 457X0 January 1993 (N=3,440) |
| Equipment Management Cluster | Supply Composite Tool Kit (CTK) Monitor | Supply | General Administrative & Supply Cluster |
| Flight Line Expediter Cluster Maintenance Control Job | Wheel and Tire Flight Line Expeditor Maintenance Control Coordinator | | Flight Line Expeditor |
| Supervisor Cluster | Supervisor Flight Line Supervisor | Management Cluster | Supervisory & Management Cluster |
| Core Automated Maintenance System (CAMS) Job Training Cluster Mobility Job | Automated Maintenance Control System (CAMS) Job Training Instructor | Core Automated Maintenance System (CAMS) Job | Core Automated Maintenance System (CAMS) Job Technical School Personnel Job |
| Technical Orders Job Not identified as a separate job | Technical Order Monitor Refurbishment Mechanic | | Technical Orders Monitor |

TABLE 6 (CONTINUED)

JOB SPECIALTY COMPARISONS BETWEEN CURRENT AND PREVIOUS SURVEYS

| Aerospace Maintenance Current Survey (N=6,935) | Aircraft Maintenance Previously AFSC 457X2 July 1992 | Aircraft Pneudraulic Systems Previously AFSC 454X4/A June 1993 | Strategic Aircraft Maintenance Previously AFSC 457X0 January 1993 |
|--|--|--|---|
| | (N=2,871) | (N=2,032) | (N=3,440) |
| Not identified as a separate job | | Air Refueling Systems Maintenance Job | |
| Not identified as a separate job | | Air Refueling Instructor Job | |
| Not identified as a separate job | | In-Shop Pneudraulics Chief Cluster | |
| Not identified as a separate job | | In-Shop Pneudraulics Repair Cluster | |
| Not identified as a separate job | | Cross-Utilization Training | |
| Not identified as a separate job | | Pneudraulics Repair Cluster | |
| Not identified as a separate job | | C-141 In-Shop Pneudraulics Job | |
| Not identified as a separate job | | B-1B Flightline Repair Job | |
| Not identified as a separate job | | Deficiency Analysis Job | |

Summary

In summary, structure analysis identified 7 clusters and 13 jobs. The core work performed by the Aerospace Maintenance career ladder is the Crew Chief Cluster, accounting for 52 percent of the specialty. The remaining jobs support this mission in such areas as: training and supervising aerospace maintenance personnel, documenting and tracking equipment and aircraft, and inspecting and maintaining aircraft.

ANALYSIS OF AEROSPACE MAINTENANCE DAFSC GROUPS

An analysis of DAFSC groups, in conjunction with the analysis of the career ladder structure, is an important part of each occupational survey. DAFSC analysis examines differences in tasks performed between skill levels. This information may then be used to evaluate how well career ladder documents, such as AFMAN 36-2108 *Specialty Descriptions*, reflect what career ladder personnel are actually doing in the field.

Aerospace Maintenance personnel holding a 1-, 3-, or 5-skill level hold an aircraft specific shred. Shredouts A, B, C, D, E, F, G, and H are applicable to the 1- and 3-skill levels only. Shredouts J, K, and L are applicable at the 5-skill level only. Shredouts A, B, C, and D merge to form shredout J at the 5-skill level. Shredouts E and F merge at the 5-skill level to form shredout K. Shredouts G and H merge at the 5-skill level to form shredout L. There are no shreds at the 7- or 9-skill level (see chart below).

| Aerospace Maintenance Specialty Shredouts | | | | |
|--|---|--|--------------|--------------|
| 2A511 | 2A531 | 2A551 | 2A571 | 2A590 |
| A C-9/C-20/C-21/C-22/ C-141T-39/T-43 | A C-9/C-20/C-21/C-22/ C-141/T-39/T-43 | J C-5/C-9/C-17/C-20/C-21/ C-22/C-141T-39/T-43/ C-12/C-26/C-27/C-130 | | |
| B C-12/C-26/C-27/C-130 | B C-12/C-26/C-27/C-130 | K B-1/B-2/B-52 | | |
| C C-5 | C C-5 | L C-135/C-18/E-3/E-4/ KC-10/VC-25/VC-137 | | |
| D C-17 | D C-17 | | | |
| E B-1/B-2 | E B-1/B-2 | | | |
| F B-52 | F B-52 | | | |
| G C-18/C-135/E-3/VC-25/ VC-137 | G C-18/C-135/E-3/VC-25/ VC-137 | | | |
| H E-4/KC-10 | H E-4/KC-10 | | | |

The distribution of skill-level groups across the career ladder jobs are displayed in Table 7 (active duty), Table 8 (AFRC), and Table 9 (ANG). Tables 10 and 11 display percent time spent on each duty for active duty members. Table 12 displays relative percent time spent on duties by DAFSC groups for the AFRC and Table 13 displays the same information for the ANG. Appendix B displays the representative tasks for each shred with active duty, AFRC, and ANG combined. *Representative groups with less than five members were not included in the tables or in the narrative unless otherwise stated.*

A typical pattern of progression is noted within the AFSC 2A5X1X career ladder, with personnel at the 3-skill level spending most of their time on technical tasks. Personnel at the 3- and 5-skill levels work in the technical jobs of the career ladder and spend most of their relative job time on tasks involving the general airframe and aircraft maintenance. As incumbents move up to the 7-skill level, higher percentages of these members work in supervisory, managerial, and administrative tasks. At the 9-skill level, the incumbents work in the supervisory jobs or higher decision-making jobs such as Flight Line Expediter or Quality Assurance Evaluator.

Skill-Level Descriptions (Active Duty - AFSC 2A531A/B/C/D/E/F/G/H)

The 745 active duty airmen in DAFSC 2A531X represent 11 percent of the total survey sample and 17 percent of the total active duty sample. This group makes up 94 percent of all 3-skill levels in the sample. The average TAFMS for the airmen in this group is 2 years, and the predominate paygrade is E-3 (84 percent).

Sixty percent of active duty 3-skill level personnel work in the Crew Chief Cluster. Eight percent of these individuals work in the Flight Line Maintenance Cluster and 6 percent work in the Dock Inspector Cluster (see Table 7). The 3-skill level airmen in the different shreds report primarily working on the flight line, with a few airmen working in areas such as inspection docks, maintenance operations, or the tool crib.

These airmen report having job titles such as: Assistant Crew Chief, Flight Line Crew Chief, or Aircraft Crew Chief. They report spending the majority of their relative job time in Duty E, Performing Airframe and Aircraft Maintenance (47 percent) and Duty F, Maintaining Landing Gear Systems (10 percent). Representative tasks for active duty 3-skill level aerospace maintenance personnel are displayed on Table 14.

Active Duty

DAFSC 2A531A. The 103 airmen in DAFSC 2A531A represent 13 percent of all 3-skill level and 14 percent of active duty 3-skill level airmen. The DAFSC 2A531A personnel are responsible for maintaining the C-9, C-20, C-21, C-22, C-141, T-39, and T-43 aircraft.

TABLE 7

DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)

ACTIVE

| | DAFSC 2A531X (N=745) | DAFSC 2A531A (N=103) | DAFSC 2A531B (N=140) | DAFSC 2A531C (N=135) | DAFSC 2A531D (N=80) |
|--|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| I. Transient Alert Job | 0 | 0 | 0 | 0 | 0 |
| II. Flight Line Maintenance Cluster | 8 | 6 | 4 | 7 | 10 |
| III. Isochronal Inspector Job | 1 | 2 | 1 | 1 | 1 |
| IV. Phase Inspector Job | 2 | 1 | 1 | 4 | 3 |
| V. Dock Inspector Cluster | 6 | 7 | 10 | 4 | 8 |
| VI. Crew chief Cluster | 60 | 52 | 60 | 58 | 56 |
| VII. DEPOT Inspector Job | * | 0 | 1 | 1 | 0 |
| VIII. Quality Assurance Evaluator Job | 0 | 0 | 0 | 0 | 0 |
| IX. Field Training Detachment (FTD) Instructor Job | 0 | 0 | 0 | 0 | 0 |
| X. OJT Instructor Job | * | 1 | 0 | 0 | 0 |
| XI. Aero Repair Cluster | 2 | 5 | 1 | 5 | 0 |
| XII. -21 Alternate Mission Equipment (AME) Support Cluster | 2 | 4 | 5 | 1 | 3 |
| XIII. Equipment Management Cluster | 3 | 3 | 3 | 2 | 6 |
| XIV. Flight Line Expediter Cluster | 0 | 0 | 0 | 0 | 0 |
| XV. Maintenance Control Job | 0 | 0 | 0 | 0 | 0 |
| XVI. Supervisor Cluster | * | 0 | 1 | 0 | 0 |
| XVII. Core Automated Maintenance System (CAMS) Job | 1 | 0 | 0 | 2 | 0 |
| XVIII. Training Cluster | 0 | 0 | 0 | 0 | 0 |
| XIX. Mobility Job | 0 | 0 | 0 | 0 | 0 |
| XX. Technical Orders Job | * | 1 | 0 | 0 | 0 |

* Denotes less than .5 percent

NOTE: Columns may not add to 100 percent due to rounding

TABLE 7 (CONTINUED)

**DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)**

ACTIVE

| | DAFSC 2A531E (N=40) | DAFSC 2A531F (N=36) | DAFSC 2A531G (N=101) | DAFSC 2A531H (N=110) | DAFSC 2A551X (N=2087) |
|--|---------------------------|---------------------------|----------------------------|----------------------------|-----------------------------|
| I. Transient Alert Job | 0 | 0 | 0 | 0 | 1 |
| II. Flight Line Maintenance Cluster | 5 | 17 | 15 | 8 | 2 |
| III. Isochronal Inspector Job | 0 | 3 | 0 | 0 | * |
| IV. Phase Inspector Job | 3 | 0 | 0 | 0 | * |
| V. Dock Inspector Cluster | 13 | 0 | 8 | 1 | 3 |
| VI. Crew chief Cluster | 63 | 67 | 63 | 68 | 55 |
| VII. DEPOT Inspector Job | 0 | 0 | 0 | 0 | * |
| VIII. Quality Assurance Evaluator Job | 0 | 0 | 0 | 0 | * |
| IX. Field Training Detachment (FTTD) Instructor Job | 0 | 0 | 0 | 0 | 1 |
| X. OTT Instructor Job | 0 | 0 | 0 | 1 | * |
| XI. Aero Repair Cluster | 5 | 0 | 3 | 0 | 7 |
| XII. -21 Alternate Mission Equipment (AME) Support Cluster | 0 | 0 | 0 | 0 | 3 |
| XIII. Equipment Management Cluster | 3 | 3 | 2 | 5 | 7 |
| XIV. Flight Line Expediter Cluster | 0 | 0 | 0 | 0 | * |
| XV. Maintenance Control Job | 0 | 0 | 0 | 0 | 1 |
| XVI. Supervisor Cluster | 0 | 0 | 0 | 0 | 3 |
| XVII. Core Automated Maintenance System (CAMS) Job | 0 | 0 | 0 | 1 | 3 |
| XVIII. Training Cluster | 0 | 0 | 0 | 1 | 1 |
| XIX. Mobility Job | 0 | 0 | 0 | 0 | 1 |
| XX. Technical Orders Job | 0 | 1 | 1 | 1 | |

* Denotes less than .5 percent

NOTE: Columns may not add to 100 percent due to rounding

TABLE 7 (CONTINUED)

DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)
ACTIVE

| | DAFSC 2A55IJ (N=1180) | DAFSC 2A55IK (N=264) | DAFSC 2A55IL (N=643) | DAFSC 2A571 (N=1527) | DAFSC 2A590 (N=34) |
|--|-----------------------------|----------------------------|----------------------------|----------------------------|--------------------------|
| I. Transient Alert Job | 1 | 0 | 1 | * | 0 |
| II. Flight Line Maintenance Cluster | 2 | 1 | 2 | * | 0 |
| III. Isochronal Inspector Job | * | 0 | 0 | 0 | 0 |
| IV. Phase Inspector Job | * | 0 | 0 | 0 | 0 |
| V. Dock Inspector Cluster | 3 | 2 | 3 | 1 | 0 |
| VI. Crew chief Cluster | 50 | 66 | 60 | 27 | 0 |
| VII. DEPOT Inspector Job | 1 | 0 | 0 | * | 0 |
| VIII. Quality Assurance Evaluator Job | * | 0 | * | 3 | 6 |
| IX. Field Training Detachment (FTD) Instructor Job | * | 1 | 1 | 1 | 0 |
| X. OTT Instructor Job | * | 0 | 1 | * | 0 |
| XI. Aero Repair Cluster | 7 | 6 | 6 | 5 | 3 |
| XII. -21 Alternate Mission Equipment (AME) Support Cluster | 4 | 0 | 2 | 1 | 0 |
| XIII. Equipment Management Cluster | 8 | 5 | 6 | 3 | 0 |
| XIV. Flight Line Expediter Cluster | 1 | 0 | 0 | 8 | 24 |
| XV. Maintenance Control Job | 1 | * | 1 | 2 | 0 |
| XVI. Supervisor Cluster | 3 | * | 4 | 23 | 41 |
| XVII. Core Automated Maintenance System (CAMS) Job | 4 | 2 | 3 | 2 | 6 |
| XVIII. Training Cluster | 2 | * | 1 | 3 | 0 |
| XIX. Mobility Job | 1 | 1 | * | 2 | 0 |
| XX. Technical Orders Job | 1 | 1 | 1 | 6 | 0 |

* Denotes less than .5 percent

NOTE: Columns may not add to 100 percent due to rounding

TABLE 8

**DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)
AIR FORCE RESERVES**

| | DAFSC 2A531X (N=50) | DAFSC 2A531A (N=9) | DAFSC 2A531B (N=20) | DAFSC 2A531C (N=16) | DAFSC 2A551X (N=896) | DAFSC 2A551J (N=735) | DAFSC 2A551L (N=161) | DAFSC 2A571 (N=651) |
|--|---------------------------|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| I. Transient Alert Job | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| II. Flight Line Maintenance Cluster | 10 | 0 | 10 | 0 | 4 | 4 | 6 | 2 |
| III. Isochronal Inspector Job | 0 | 0 | 0 | 0 | 1 | 1 | * | * |
| IV. Phase Inspector Job | 0 | 0 | 0 | 0 | 1 | 1 | * | * |
| V. Dock Inspector Cluster | 6 | 0 | 15 | 0 | 4 | 4 | 4 | 2 |
| VI. Crew Chief Cluster | 56 | 56 | 50 | 69 | 64 | 62 | 71 | 55 |
| VII. DEPOT Inspector Job | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * |
| VIII. Quality Assurance Evaluator Job | 0 | 0 | 0 | 0 | * | * | 0 | 3 |
| IX. Field Training Detachment (FTD) Instructor Job | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * |
| X. OJT Instructor Job | 0 | 0 | 0 | 0 | * | * | 0 | 1 |
| XI. Aero Repair Cluster | 2 | 0 | 5 | 0 | 10 | 11 | 6 | 9 |
| XII. -21 Alternate Mission Equipment (AME) Support Cluster | 6 | 33 | 0 | 0 | 4 | 4 | 0 | 3 |
| XIII. Equipment Management Cluster | 0 | 0 | 0 | 0 | * | * | 0 | * |
| XIV. Flight Line Expediter Cluster | 0 | 0 | 0 | 0 | * | * | 0 | 2 |
| XV. Maintenance Control Job | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| XVI. Supervisor Cluster | 0 | 0 | 0 | 0 | * | * | 0 | 9 |
| XVII. Core Automated Maintenance System (CAMS) Job | 0 | 0 | 0 | 0 | * | 1 | 2 | |
| XVIII. Training Cluster | 0 | 0 | 0 | 0 | * | 1 | 1 | |
| XIX. Mobility Job | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| XX. Technical Orders Job | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * |

* Denotes less than .5 percent

NOTE: Columns may not add to 100 percent due to rounding

TABLE 9

**DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)
AIR NATIONAL GUARD**

| | DAFSC 2A551X (N=565) | DAFSC 2A551J (N=275) | DAFSC 2A551K (N=42) | DAFSC 2A551L (N=248) | DAFSC 2A571 (N=372) | DAFSC 2A590 (N=5) |
|--|----------------------------|----------------------------|---------------------------|----------------------------|---------------------------|-------------------------|
| I. Transient Alert Job | 0 | 0 | 0 | 0 | 0 | 0 |
| II. Flight Line Maintenance Cluster | 6 | 4 | 0 | 8 | 1 | 0 |
| III. Isochronal Inspector Job | 0 | 0 | 0 | 0 | 0 | 0 |
| IV. Phase Inspector Job | * | * | 0 | 0 | 0 | 0 |
| V. Dock Inspector Cluster | 4 | 3 | 0 | 4 | 1 | 0 |
| VI. Crew Chief Cluster | 72 | 70 | 74 | 73 | 64 | 0 |
| VII. DEPOT Inspector Job | * | 0 | 0 | * | 0 | 0 |
| VIII. Quality Assurance Evaluator Job | * | * | 0 | 0 | 3 | 60 |
| IX. Field Training Detachment (FTD) Instructor Job | * | 0 | 0 | 0 | 0 | 0 |
| X. OTT Instructor Job | * | * | 0 | 0 | 1 | 0 |
| XI. Aero Repair Cluster | 6 | 6 | 12 | 6 | 9 | 0 |
| XII. -21 Alternate Mission Equipment (AME) Support Cluster | 2 | 4 | 0 | 1 | 1 | 0 |
| XIII. Equipment Management Cluster | 0 | 0 | 0 | 0 | 1 | 0 |
| XIV. Flight Line Expediter Cluster | 0 | 0 | 0 | 0 | 2 | 0 |
| XV. Maintenance Control Job | * | 0 | 0 | * | 1 | 0 |
| XVI. Supervisor Cluster | 1 | 0 | 5 | 1 | 5 | 40 |
| XVII. Core Automated Maintenance System (CAMS) Job | 1 | 1 | 0 | * | 4 | 0 |
| XVIII. Training Cluster | 0 | 0 | 0 | 0 | 0 | 0 |
| XIX. Mobility Job | 0 | 0 | 0 | 0 | 0 | 0 |
| XX. Technical Orders Job | * | 0 | 2 | 0 | 0 | 0 |

* Denotes less than .5 percent

NOTE: Columns may not add to 100 percent due to rounding

TABLE 10

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS
ACTIVE DUTY

| <u>DUTIES</u> | 2A531X (N=745) | 2A531A (N=103) | 2A531B (N=140) | 2A531C (N=135) | 2A531D (N=80) |
|--|-------------------|-------------------|-------------------|-------------------|------------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 3 | 2 | 3 | 2 | 4 |
| B PERFORMING TRAINING ACTIVITIES | * | 1 | * | * | * |
| C PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 1 | 1 | 1 | 1 | 2 |
| D PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 4 | 5 | 3 | 3 | 6 |
| E PERFORMING GENERAL AIRFRAME AND AIRCRAFT MAINTENANCE | 47 | 48 | 48 | 45 | 45 |
| F MAINTAINING LANDING GEAR SYSTEMS | 10 | 10 | 10 | 15 | 10 |
| G MAINTAINING UTILITY SYSTEMS | 5 | 4 | 5 | 7 | 4 |
| H MAINTAINING FLIGHT CONTROL SYSTEMS | 5 | 6 | 4 | 5 | 5 |
| I MAINTAINING PNEUDRAULIC SYSTEMS | 4 | 3 | 3 | 4 | 3 |
| J MAINTAINING FUEL SYSTEMS | 3 | 3 | 3 | 2 | 3 |
| K MAINTAINING ELECTRICAL SYSTEMS | 5 | 5 | 5 | 5 | 5 |
| L MAINTAINING ENGINE SYSTEMS | 4 | 3 | 4 | 3 | 3 |
| M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) | 2 | 1 | 1 | 2 | 2 |
| N MAINTAINING -21 AME, DUAL RAIL CARGO HANDLING SYSTEMS, AND -135 CARGO HANDLING SYSTEMS | 3 | 5 | 5 | 1 | 4 |
| O PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 3 | 3 | 2 | 4 | 4 |
| P PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 1 | 0 | 1 | * | 1 |

* Denotes less than 1 percent

NOTE: Columns may not add to 100 percent due to rounding

TABLE 10 (CONTINUED)

**RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS
ACTIVE DUTY**

| DUTIES | 2A531E (N=40) | 2A531F (N=36) | 2A531G (N=101) | 2A531H (N=110) |
|---|--------------------------|--------------------------|---------------------------|---------------------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 6 | 1 | 2 | 3 |
| B PERFORMING TRAINING ACTIVITIES | * | * | * | * |
| C PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 2 | * | 1 | 1 |
| D PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 3 | 4 | 3 | 5 |
| E PERFORMING GENERAL AIRFRAME AND AIRCRAFT MAINTENANCE | 50 | 45 | 47 | 45 |
| F MAINTAINING LANDING GEAR SYSTEMS | 9 | 8 | 11 | 6 |
| G MAINTAINING UTILITY SYSTEMS | 3 | 5 | 5 | 6 |
| H MAINTAINING FLIGHT CONTROL SYSTEMS | 5 | 4 | 7 | 5 |
| I MAINTAINING PNEUDRAULIC SYSTEMS | 4 | 5 | 5 | 5 |
| J MAINTAINING FUEL SYSTEMS | 3 | 5 | 4 | 5 |
| K MAINTAINING ELECTRICAL SYSTEMS | 5 | 6 | 5 | 4 |
| L MAINTAINING ENGINE SYSTEMS | 4 | 9 | 4 | 2 |
| M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) | 3 | 2 | 2 | 3 |
| N MAINTAINING -21 AME, DUAL RAIL CARGO HANDLING SYSTEMS, AND -135 CARGO HANDLING SYSTEMS | 1 | 1 | 1 | 3 |
| O PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 2 | 3 | 3 | 3 |
| P PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 1 | 1 | 1 | 1 |

* Denotes less than 1 percent

NOTE: Columns may not add to 100 percent due to rounding

TABLE 11

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS
ACTIVE DUTY

| DUTIES | 2A551X (N=2,087) | 2A551J (N=1,180) | 2A551K (N=264) | 2A551L (N=643) | 2A571 (N=1,527) | 2A590 (N=34) |
|--|---------------------|---------------------|-------------------|-------------------|--------------------|-----------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 11 | 12 | 9 | 11 | 35 | 57 |
| B PERFORMING TRAINING ACTIVITIES | 4 | 4 | 3 | 4 | 7 | 4 |
| C PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 3 | 3 | 4 | 3 | 5 | 6 |
| D PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 6 | 6 | 4 | 6 | 5 | 3 |
| E PERFORMING GENERAL AIRFRAME AND AIRCRAFT MAINTENANCE | 32 | 32 | 36 | 32 | 17 | 6 |
| F MAINTAINING LANDING GEAR SYSTEMS | 8 | 8 | 7 | 8 | 5 | 2 |
| G MAINTAINING UTILITY SYSTEMS | 4 | 4 | 3 | 3 | 2 | 1 |
| H MAINTAINING FLIGHT CONTROL SYSTEMS | 6 | 6 | 5 | 7 | 3 | 1 |
| I MAINTAINING PNEUDRAULIC SYSTEMS | 4 | 3 | 5 | 4 | 2 | 1 |
| J MAINTAINING FUEL SYSTEMS | 2 | 2 | 3 | 3 | 1 | * |
| K MAINTAINING ELECTRICAL SYSTEMS | 4 | 4 | 4 | 3 | 2 | 1 |
| L MAINTAINING ENGINE SYSTEMS | 4 | 4 | 6 | 3 | 2 | 1 |
| M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) | 1 | 1 | 2 | 1 | 1 | * |
| N MAINTAINING -21 AME, DUAL RAIL CARGO HANDLING SYSTEMS, AND -135 CARGO HANDLING SYSTEMS | 4 | 5 | 1 | 2 | 2 | 1 |
| O PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 6 | 6 | 5 | 5 | 7 | 13 |
| P PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 2 | 2 | 2 | 3 | 3 | 3 |

NOTE: Columns may not add to 100 percent due to rounding

TABLE 12

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS
AIR FORCE RESERVES

| <u>DUTIES</u> | <u>2A5X1X (N=1,599)</u> | <u>2A531X (N=50)</u> | <u>2A531A (N=9)</u> | <u>2A531B (N=20)</u> | <u>2A531C (N=16)</u> |
|--|-----------------------------|--------------------------|-------------------------|--------------------------|--------------------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 9 | 2 | 2 | 2 | 3 |
| B PERFORMING TRAINING ACTIVITIES | 3 | * | 1 | * | * |
| C PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 1 | * | 1 | * | * |
| D PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 2 | 3 | 6 | 1 | 4 |
| E PERFORMING GENERAL AIRFRAME AND AIRCRAFT MAINTENANCE | 38 | 47 | 42 | 52 | 43 |
| F MAINTAINING LANDING GEAR SYSTEMS | 11 | 10 | 6 | 10 | 13 |
| G MAINTAINING UTILITY SYSTEMS | 5 | 5 | 4 | 4 | 6 |
| H MAINTAINING FLIGHT CONTROL SYSTEMS | 7 | 4 | 3 | 4 | 5 |
| I MAINTAINING PNEUDRAULIC SYSTEMS | 4 | 4 | 3 | 3 | 5 |
| J MAINTAINING FUEL SYSTEMS | 3 | 3 | 3 | 2 | 3 |
| K MAINTAINING ELECTRICAL SYSTEMS | 4 | 6 | 4 | 7 | 6 |
| L MAINTAINING ENGINE SYSTEMS | 4 | 5 | 3 | 6 | 5 |
| M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) | 1 | 2 | 1 | 2 | 3 |
| N MAINTAINING -21 AME, DUAL RAIL CARGO HANDLING SYSTEMS, AND -135 CARGO HANDLING SYSTEMS | 3 | 4 | 17 | 1 | 2 |
| O PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 4 | 2 | 1 | 2 | 2 |
| P PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 2 | 2 | 5 | 3 | * |

* Denotes less than 1 percent

NOTE: DAFSC with less than 5 members in representative group were not included
Columns may not add to 100 percent due to rounding

TABLE 12 (CONTINUED)

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS
AIR FORCE RESERVES

| <u>DUTIES</u> | <u>2A551X (N=893)</u> | <u>2A551J (N=735)</u> | <u>2A551L (N=161)</u> | <u>2A571 (N=651)</u> |
|--|---------------------------|---------------------------|---------------------------|--------------------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 5 | 5 | 4 | 16 |
| B PERFORMING TRAINING ACTIVITIES | 2 | 2 | 2 | 4 |
| C PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 1 | 1 | 1 | 3 |
| D PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 2 | 2 | 2 | 2 |
| E PERFORMING GENERAL AIRFRAME AND AIRCRAFT MAINTENANCE | 42 | 42 | 42 | 31 |
| F MAINTAINING LANDING GEAR SYSTEMS | 12 | 12 | 11 | 9 |
| G MAINTAINING UTILITY SYSTEMS | 5 | 5 | 4 | 4 |
| H MAINTAINING FLIGHT CONTROL SYSTEMS | 7 | 7 | 8 | 6 |
| I MAINTAINING PNEUDRAULIC SYSTEMS | 4 | 4 | 6 | 4 |
| J MAINTAINING FUEL SYSTEMS | 3 | 3 | 4 | 2 |
| K MAINTAINING ELECTRICAL SYSTEMS | 5 | 5 | 5 | 4 |
| L MAINTAINING ENGINE SYSTEMS | 4 | 4 | 4 | 4 |
| M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) | 1 | 1 | 2 | 1 |
| N MAINTAINING -21 AME, DUAL RAIL CARGO HANDLING SYSTEMS, AND -135 CARGO HANDLING SYSTEMS | 2 | 3 | 1 | 3 |
| O PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 3 | 3 | 3 | 6 |
| P PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 1 | 1 | 2 | 3 |

NOTE: DAFSC with less than 5 members in representative group were not included
 Columns may not add to 100 percent due to rounding

TABLE 13

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS
AIR NATIONAL GUARD

| <u>DUTIES</u> | <u>2A5X1X (N=943)</u> | <u>2A551X (N=565)</u> | <u>2A551J (N=275)</u> | <u>2A551K (N=42)</u> | <u>2A551L (N=248)</u> | <u>2A571 (N=372)</u> | <u>2A590 (N=5)</u> |
|--|---------------------------|---------------------------|---------------------------|--------------------------|---------------------------|--------------------------|------------------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 7 | 4 | 4 | 5 | 5 | 12 | 43 |
| B PERFORMING TRAINING ACTIVITIES | 2 | 1 | 1 | 1 | 1 | 3 | 4 |
| C PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 2 | 1 | 1 | 3 | 1 | 2 | 3 |
| D PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| E PERFORMING GENERAL AIRFRAME AND AIRCRAFT MAINTENANCE | 37 | 42 | 42 | 40 | 42 | 31 | 12 |
| F MAINTAINING LANDING GEAR SYSTEMS | 11 | 11 | 12 | 11 | 10 | 10 | 5 |
| G MAINTAINING UTILITY SYSTEMS | 5 | 5 | 5 | 4 | 4 | 5 | 2 |
| H MAINTAINING FLIGHT CONTROL SYSTEMS | 7 | 8 | 7 | 9 | 8 | 7 | 3 |
| I MAINTAINING PNEUDRAULIC SYSTEMS | 5 | 5 | 4 | 5 | 6 | 4 | 2 |
| J MAINTAINING FUEL SYSTEMS | 3 | 3 | 3 | 3 | 3 | 2 | 1 |
| K MAINTAINING ELECTRICAL SYSTEMS | 5 | 5 | 6 | 6 | 5 | 4 | 2 |
| L MAINTAINING ENGINE SYSTEMS | 5 | 5 | 5 | 5 | 5 | 5 | 2 |
| M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) | 1 | 2 | 2 | 2 | 2 | 1 | * |
| N MAINTAINING -21 AVE, DUAL RAIL CARGO HANDLING SYSTEMS, AND -135 CARGO HANDLING SYSTEMS | 2 | 2 | 3 | 1 | 1 | 2 | 1 |
| O PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 4 | 3 | 3 | 4 | 3 | 5 | 12 |
| P PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 2 | 2 | 2 | 2 | 2 | 2 | 5 |

* Denotes less than 1 percent

NOTE: DAFSC with less than 5 members in representative group were not included
Columns may not add to 100 percent due to rounding

TABLE 14
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A531X PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=745) |
|--|---|
| E297 Perform foreign object damage (FOD) walks | 87 |
| E179 Connect or disconnect external electrical aircraft power | 86 |
| E264 Operate aircraft interphones | 81 |
| E261 Open or close engine cowlings, panels, or doors | 81 |
| E304 Perform wing or tail walker procedures during aircraft towing | 79 |
| E294 Perform aircraft fueling or defueling | 76 |
| E257 Lubricate aircraft components | 76 |
| E389 Service aircraft tires | 76 |
| E307 Position fire extinguishers | 74 |
| E251 Launch or recover aircraft | 73 |
| E194 Inspect aircraft shock struts | 73 |
| E175 Clean aircraft windshields | 73 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 72 |
| E394 Service engines with oil | 72 |
| E176 Clean interior of aircraft | 71 |
| E188 Inspect access doors, hatches, or panels | 71 |
| E195 Inspect aircraft windows or windshields | 70 |
| E386 Service aircraft hydraulic systems | 70 |
| E295 Perform brake rider procedures during aircraft towing | 70 |
| F425 Inspect aircraft wheel and tire assemblies | 69 |
| E190 Inspect aircraft for corrosion | 69 |
| K789 Inspect external aircraft lights | 69 |
| E227 Inspect portable fire extinguishers | 67 |
| E250 Jack or level aircraft | 67 |
| F451 Inspect landing gear struts | 64 |
| O932 Clear Red-Diagonal conditions | 62 |
| K805 Remove or install aircraft batteries | 62 |
| E170 Bleed brake systems | 61 |
| O931 Clear Red-Dash conditions | 60 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 59 |
| L835 Inspect engine cowling, panel, or door latches | 59 |
| M890 Perform preuse inspections of nonpowered AGE | 58 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 58 |
| E265 Operate aircraft radios | 58 |
| E230 Inspect radomes | 58 |
| M891 Perform preuse inspections of powered AGE | 57 |
| K790 Inspect external power receptacles | 57 |
| K792 Inspect internal aircraft lights, other than emergency lights | 57 |
| F471 Remove or install aircraft brake assemblies or brake system components | 57 |
| J778 Transfer fuel within aircraft | 56 |
| E387 Service aircraft LOX systems | 55 |
| J759 Inspect aircraft for fuel leaks | 55 |
| F430 Inspect brake system components | 55 |
| E262 Open or close radomes | 54 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 53 |

The average TAFMS for the active duty personnel in this group is 2 years and 1 month. The predominate paygrade for the A-shred group is E-3 (82 percent). Members in this shred are found predominately in two jobs: Crew Chief Cluster and Flight Line Maintenance Job (see Table 7).

The majority of their relative job time is spent in Duty E, Performing General Airframe and Aircraft Maintenance (47 percent) (see Table 10). The predominant job titles for the airmen in this group are: Flight Line Crew Chief, Flying Crew Chief, Assistant Crew Chief, and Aircraft Crew Chief. They work primarily on the flight line or the inspection docks. A-shred "Crew Chief" perform an average of 195 tasks. Typical tasks performed by members of this group are displayed in Table 15.

DAFSC 2A531B. The 140 airmen in the DAFSC 2A531B group represents 18 percent of all 3-skill level airmen in the sample and 19 percent of active duty 3-skill level airmen. The B-shred active duty personnel average 1 year and 11 months TAFMS. Their predominate paygrades are E-2 and E-3 (29 percent and 56 percent, respectively). The 2A531B personnel are responsible for maintaining the C-12, C-26, C-27, and C-130 aircraft.

The majority of these airmen work in the Crew Chief Cluster (58 percent), with an additional 19 percent working in three other clusters: Flight Line Maintenance, Dock Inspector, and -21 AME Support (see Table 7). The majority of their job time is spent in Duty E, Performing General Airframe and Aircraft Maintenance (48 percent) and Duty F, Maintaining Landing Gear Systems (10 percent) (see Table 10). Typical tasks performed by members of this group are displayed in Table 16

DAFSC 2A531C The 135 airmen in DAFSC 2A531C represent 17 percent of all 3-skill level airmen in the total sample and 18 percent of active duty 3-skill level airmen. The primary paygrades for these individuals are E-2 (21 percent) or E-3 (67 percent). The average TAFMS for the active duty airmen in this group is 2 years and 2 months. The 2A531C personnel are primarily responsible for maintaining the C-5 aircraft.

These airmen work primarily in two groups: the Crew Chief Cluster (54 percent) and Flight Line Maintenance Job (7 percent). They spend 45 percent of their relative job time in Duty E, Performing General Airframe and Aircraft Maintenance and 15 percent in Duty F, Maintaining Landing Gear Systems. The average number of tasks performed by the total C-shred airmen is 158 tasks. See Table 17 for typical tasks performed by members of this group.

DAFSC 2A531D. The 80 airmen with DAFSC 2A531D represent 10 percent of all 3-skill level airmen in the sample and 11 percent of active duty 3-skill level airmen. The 2A531D personnel are responsible for maintaining the C-17 aircraft.

TABLE 15
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A531A PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=103) |
|--|---|
| E297 Perform foreign object damage (FOD) walks | 83 |
| E179 Connect or disconnect external electrical aircraft power | 82 |
| E264 Operate aircraft interphones | 76 |
| E257 Lubricate aircraft components | 74 |
| E261 Open or close engine cowlings, panels, or doors | 73 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 72 |
| E304 Perform wing or tail walker procedures during aircraft towing | 71 |
| E188 Inspect access doors, hatches, or panels | 70 |
| E389 Service aircraft tires | 70 |
| E295 Perform brake rider procedures during aircraft towing | 69 |
| E251 Launch or recover aircraft | 68 |
| E175 Clean aircraft windshields | 68 |
| E307 Position fire extinguishers | 67 |
| E294 Perform aircraft fueling or defueling | 65 |
| E190 Inspect aircraft for corrosion | 64 |
| E394 Service engines with oil | 64 |
| E387 Service aircraft LOX systems | 64 |
| F425 Inspect aircraft wheel and tire assemblies | 63 |
| E262 Open or close radomes | 63 |
| E195 Inspect aircraft windows or windshields | 62 |
| E250 Jack or level aircraft | 62 |
| E386 Service aircraft hydraulic systems | 61 |
| O932 Clear Red-Diagonal conditions | 60 |
| K789 Inspect external aircraft lights | 60 |
| E206 Inspect cargo ramp seals | 60 |
| E392 Service engine CSDs or IDGs | 59 |
| E194 Inspect aircraft shock struts | 59 |
| E227 Inspect portable fire extinguishers | 59 |
| E176 Clean interior of aircraft | 56 |
| J778 Transfer fuel within aircraft | 56 |
| O931 Clear Red-Dash conditions | 55 |
| E210 Inspect crew door systems | 55 |
| K805 Remove or install aircraft batteries | 55 |
| E322 Remove or install aircraft windows or windshields | 55 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 54 |
| E201 Inspect blow-out doors | 54 |
| E260 Moor aircraft | 54 |
| E170 Bleed brake systems | 54 |
| E204 Inspect cargo door or ramp mechanical components | 53 |
| F451 Inspect landing gear struts | 53 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 52 |
| F426 Inspect aircraft wheel bearings | 52 |
| E365 Remove or install radomes | 52 |
| E314 Remove or install access doors, hatches, or panels | 51 |
| E275 Operationally check cargo doors or ramps | 51 |

TABLE 16
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A531B PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=140) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 85 |
| E179 Connect or disconnect external electrical aircraft power | 84 |
| E264 Operate aircraft interphones | 84 |
| E261 Open or close engine cowlings, panels, or doors | 81 |
| E304 Perform wing or tail walker procedures during aircraft towing | 81 |
| E257 Lubricate aircraft components | 79 |
| E294 Perform aircraft fueling or defueling | 78 |
| E194 Inspect aircraft shock struts | 77 |
| E250 Jack or level aircraft | 76 |
| E190 Inspect aircraft for corrosion | 76 |
| E176 Clean interior of aircraft | 75 |
| E389 Service aircraft tires | 74 |
| E188 Inspect access doors, hatches, or panels | 73 |
| E175 Clean aircraft windshields | 72 |
| E260 Moor aircraft | 72 |
| E307 Position fire extinguishers | 71 |
| E195 Inspect aircraft windows or windshields | 71 |
| E170 Bleed brake systems | 71 |
| E251 Launch or recover aircraft | 70 |
| E262 Open or close radomes | 70 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 69 |
| E265 Operate aircraft radios | 69 |
| E387 Service aircraft LOX systems | 69 |
| K789 Inspect external aircraft lights | 67 |
| E291 Operationally check troop doors | 66 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 66 |
| E295 Perform brake rider procedures during aircraft towing | 66 |
| E352 Remove or install liferafts | 66 |
| F425 Inspect aircraft wheel and tire assemblies | 64 |
| E227 Inspect portable fire extinguishers | 64 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 64 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 64 |
| F451 Inspect landing gear struts | 64 |
| E230 Inspect radomes | 64 |
| E394 Service engines with oil | 64 |
| E386 Service aircraft hydraulic systems | 63 |
| E243 Inspect troop door systems | 63 |
| E210 Inspect crew door systems | 62 |
| E275 Operationally check cargo doors or ramps | 61 |
| F457 Lubricate main landing gear jack screws | 61 |
| F455 Inspect main landing gear jack screws | 61 |
| K805 Remove or install aircraft batteries | 61 |
| E234 Inspect seat locking mechanisms | 60 |
| L835 Inspect engine cowling, panel, or door latches | 60 |
| K792 Inspect internal aircraft lights, other than emergency lights | 59 |

TABLE 17

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A531C PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=135) |
|--|---|
| E297 Perform foreign object damage (FOD) walks | 89 |
| E179 Connect or disconnect external electrical aircraft power | 84 |
| E304 Perform wing or tail walker procedures during aircraft towing | 84 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 79 |
| E389 Service aircraft tires | 79 |
| E261 Open or close engine cowlings, panels, or doors | 79 |
| E257 Lubricate aircraft components | 79 |
| E307 Position fire extinguishers | 78 |
| E294 Perform aircraft fueling or defueling | 76 |
| E387 Service aircraft LOX systems | 76 |
| E394 Service engines with oil | 76 |
| E386 Service aircraft hydraulic systems | 73 |
| F425 Inspect aircraft wheel and tire assemblies | 73 |
| E250 Jack or level aircraft | 71 |
| O932 Clear Red-Diagonal conditions | 70 |
| E194 Inspect aircraft shock struts | 69 |
| E295 Perform brake rider procedures during aircraft towing | 69 |
| K789 Inspect external aircraft lights | 68 |
| E175 Clean aircraft windshields | 68 |
| E176 Clean interior of aircraft | 67 |
| E188 Inspect access doors, hatches, or panels | 67 |
| E265 Operate aircraft radios | 67 |
| F451 Inspect landing gear struts | 67 |
| F448 Inspect landing gear roll pin lock tabs | 67 |
| E251 Launch or recover aircraft | 65 |
| O931 Clear Red-Dash conditions | 64 |
| E190 Inspect aircraft for corrosion | 64 |
| E227 Inspect portable fire extinguishers | 64 |
| K805 Remove or install aircraft batteries | 64 |
| F457 Lubricate main landing gear jack screws | 63 |
| E195 Inspect aircraft windows or windshields | 63 |
| F441 Inspect landing gear gudgeon pin lock tabs | 63 |
| F455 Inspect main landing gear jack screws | 62 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 61 |
| E204 Inspect cargo door or ramp mechanical components | 61 |
| L835 Inspect engine cowling, panel, or door latches | 60 |
| E196 Inspect aircrew worktables | 60 |
| E392 Service engine CSDs or IDGs | 60 |
| E170 Bleed brake systems | 60 |
| K796 Operationally check aircraft batteries | 59 |
| K790 Inspect external power receptacles | 59 |
| K792 Inspect internal aircraft lights, other than emergency lights | 59 |
| F430 Inspect brake system components | 59 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 59 |
| M890 Perform preuse inspections of nonpowered AGE | 58 |

The average TAFMS for this group is 2 years and 8 months, and their primary paygrades are E-2 (33 percent) and E-3 (64 percent). They work primarily in 4 clusters: Crew Chief (56 percent), Flight Line Maintenance (10 percent), Dock Inspector (8 percent), and Equipment Management (6 percent) (see Table 10). The average number of tasks performed by the total D-shred airmen is 128.

Like the C-shred airmen, the D-shred airmen spend 45 percent of their relative job time in Duty E, Performing General Airframe and Aircraft Maintenance. However, D-Shred airmen spend only 10 percent of the relative job time Duty F, Maintaining Landing Gear Systems. This group of airmen spends more of their relative job time in Duty D, Performing General Supply and Equipment Activities (6 percent) than any other 3-skill level shred in this specialty (see Table 10). Typical tasks performed by members of this group are displayed on Table 18.

DAFSC 2A531E. The 40 airmen in the DAFSC 2A531E represent 5 percent of all 3-skill level airmen in the sample and 5 percent of active duty 3-skill level airmen. This group holds the highest TAFMS for the active duty 3-skill level airmen. Their average TAFMS is 2 years and 6 months, and 83 percent are in the E-3 paygrade.

The 2A531E personnel are responsible for maintaining the B-1 and B-2 aircraft. All the members of this group are assign to CONUS. Like the other 3-skill level groups in this specialty, these airmen primarily work in the Crew Chief Cluster (63 percent) and the Dock Inspector Cluster (13 percent). These airmen average 119 tasks and primarily work on the flight line or inspection docks. These incumbents report job titles such as: Assistant Crew Chief, Dedicated Crew Chief, or Flight Line Crew Chief. Typical tasks performed by members of this group are displayed in Table 19.

DAFSC 2A531F. The 36 airmen in the DAFSC 2A531F are all active duty. This group makes up 5 percent of all 3-skill level personnel in the total sample and 5 percent of active duty 3-skill level airmen. The average TAFMS for these members is 2 years, and 78 percent are in either the E-2 or E-3 paygrade.

The 2A531F personnel are responsible for maintaining the B-52 aircraft. The members in this group work primarily in the Crew Chief (67 percent) and Flight Line Maintenance (17 percent) clusters. They work primarily on the flight line. These airmen report job titles such as Aircraft Crew Chief, Assistant Crew Chief, or Flight Line Crew Chief (see Table 5). They perform an average number of 124 tasks. Typical tasks performed by members of this group are displayed in Table 20.

DAFSC 2A531G. The 101 airmen in the DAFSC 2A531G represent 13 percent of all 3-skill level airmen in the total sample and 14 percent of active duty 3-skill level airmen. The 2A531G personnel are responsible for maintaining the C-18, C-135, E-3, VC-25, and VC-137 aircraft.

TABLE 18

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A531D PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=80) |
|---|--|
| E297 Perform foreign object damage (FOD) walks | 89 |
| E179 Connect or disconnect external electrical aircraft power | 86 |
| E264 Operate aircraft interphones | 81 |
| E261 Open or close engine cowlings, panels, or doors | 79 |
| F425 Inspect aircraft wheel and tire assemblies | 78 |
| E307 Position fire extinguishers | 78 |
| E257 Lubricate aircraft components | 76 |
| E304 Perform wing or tail walker procedures during aircraft towing | 75 |
| E188 Inspect access doors, hatches, or panels | 73 |
| E389 Service aircraft tires | 73 |
| O931 Clear Red-Dash conditions | 73 |
| E294 Perform aircraft fueling or defueling | 71 |
| E195 Inspect aircraft windows or windshields | 71 |
| O932 Clear Red-Diagonal conditions | 71 |
| K789 Inspect external aircraft lights | 70 |
| E227 Inspect portable fire extinguishers | 70 |
| E387 Service aircraft LOX systems | 69 |
| E251 Launch or recover aircraft | 68 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 68 |
| E176 Clean interior of aircraft | 68 |
| E386 Service aircraft hydraulic systems | 68 |
| E190 Inspect aircraft for corrosion | 66 |
| E175 Clean aircraft windshields | 66 |
| E394 Service engines with oil | 65 |
| E194 Inspect aircraft shock struts | 64 |
| F451 Inspect landing gear struts | 64 |
| E275 Operationally check cargo doors or ramps | 64 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 63 |
| E260 Moor aircraft | 63 |
| E250 Jack or level aircraft | 61 |
| K790 Inspect external power receptacles | 61 |
| E291 Operationally check troop doors | 61 |
| E214 Inspect engine pylons or aprons | 60 |
| L835 Inspect engine cowling, panel, or door latches | 58 |
| E187 Drain or replace aircraft engine oil | 58 |
| K792 Inspect internal aircraft lights, other than emergency lights | 58 |
| E204 Inspect cargo door or ramp mechanical components | 56 |
| E279 Operationally check entry door systems | 55 |
| E229 Inspect pressure seals, such as crew door, ramp, or visor | 55 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 54 |
| L836 Inspect engine cowlings, panels, or doors | 54 |
| E277 Operationally check emergency hatches or doors | 54 |
| E206 Inspect cargo ramp seals | 54 |
| E352 Remove or install liferafts | 53 |
| E295 Perform brake rider procedures during aircraft towing | 53 |

TABLE 19

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A531E PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=40) |
|---|--|
| E297 Perform foreign object damage (FOD) walks | 90 |
| E179 Connect or disconnect external electrical aircraft power | 88 |
| E264 Operate aircraft interphones | 88 |
| E261 Open or close engine cowlings, panels, or doors | 85 |
| E194 Inspect aircraft shock struts | 85 |
| E251 Launch or recover aircraft | 83 |
| E386 Service aircraft hydraulic systems | 83 |
| E188 Inspect access doors, hatches, or panels | 80 |
| E180 Connect or disconnect hydraulic test stands to or from aircraft | 80 |
| E294 Perform aircraft fueling or defueling | 78 |
| E304 Perform wing or tail walker procedures during aircraft towing | 78 |
| E389 Service aircraft tires | 78 |
| E224 Inspect overwing fairings | 78 |
| E190 Inspect aircraft for corrosion | 78 |
| E220 Inspect magnetic chip detectors | 78 |
| E257 Lubricate aircraft components | 78 |
| E394 Service engines with oil | 75 |
| E189 Inspect accessory drive gearboxes (ADGs) | 75 |
| E269 Operate weapons bay doors | 75 |
| E250 Jack or level aircraft | 75 |
| E295 Perform brake rader procedures during aircraft towing | 73 |
| E388 Service aircraft nitrogen systems | 73 |
| E392 Service engine CSDs or IDGs | 73 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 73 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 70 |
| E307 Position fire extinguishers | 70 |
| E195 Inspect aircraft windows or windshields | 70 |
| E245 Inspect weapons bay doors | 70 |
| F451 Inspect landing gear struts | 70 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 68 |
| K789 Inspect external aircraft lights | 68 |
| E396 Service gaseous oxygen systems | 68 |
| E183 Dispose of hazardous materials | 68 |
| E296 Perform chip detector ohm tests on aircraft components | 68 |
| E391 Service crew or passenger comfort facilities, such as latrines or galleys | 65 |
| M890 Perform preuse inspections of nonpowered AGE | 65 |
| E175 Clean aircraft windshields | 65 |
| E267 Operate landing gear or wheel well doors | 65 |
| E262 Open or close radomes | 65 |
| E266 Operate centralized aircraft support systems (CASSs) | 63 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 63 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 63 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 63 |
| E176 Clean interior of aircraft | 63 |
| J778 Transfer fuel within aircraft | 63 |
| F425 Inspect aircraft wheel and tire assemblies | 63 |

TABLE 20
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A531F PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=36) |
|---|--|
| E261 Open or close engine cowlings, panels, or doors | 92 |
| E179 Connect or disconnect external electrical aircraft power | 92 |
| E297 Perform foreign object damage (FOD) walks | 92 |
| E307 Position fire extinguishers | 92 |
| E304 Perform wing or tail walker procedures during aircraft towing | 86 |
| E251 Launch or recover aircraft | 86 |
| K789 Inspect external aircraft lights | 86 |
| E161 Adjust engine cowling, panel, or door latches | 83 |
| L835 Inspect engine cowling, panel, or door latches | 83 |
| E394 Service engines with oil | 83 |
| E175 Clean aircraft windshields | 83 |
| E264 Operate aircraft interphones | 81 |
| E389 Service aircraft tires | 81 |
| E386 Service aircraft hydraulic systems | 81 |
| G565 Remove or install drag chutes | 81 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 81 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 78 |
| E194 Inspect aircraft shock struts | 78 |
| E257 Lubricate aircraft components | 78 |
| L860 Remove or install engine cowlings, panels, or doors | 78 |
| K792 Inspect internal aircraft lights, other than emergency lights | 78 |
| E176 Clean interior of aircraft | 78 |
| E195 Inspect aircraft windows or windshields | 75 |
| E294 Perform aircraft fueling or defueling | 75 |
| L836 Inspect engine cowlings, panels, or doors | 75 |
| E295 Perform brake rider procedures during aircraft towing | 75 |
| L859 Remove or install engine cowling, panel, or door latches | 75 |
| E227 Inspect portable fire extinguishers | 75 |
| F425 Inspect aircraft wheel and tire assemblies | 75 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 75 |
| E186 Drain liquid oxygen (LOX) systems | 75 |
| E188 Inspect access doors, hatches, or panels | 72 |
| E387 Service aircraft LOX systems | 72 |
| M891 Perform preuse inspections of powered AGE | 72 |
| J780 Verify aircraft fuel tank quantity with dipstick or sight gauge | 72 |
| J759 Inspect aircraft for fuel leaks | 72 |
| J778 Transfer fuel within aircraft | 72 |
| I738 Service aircraft accumulators | 72 |
| K790 Inspect external power receptacles | 72 |
| E262 Open or close radomes | 72 |
| J756 Drain aircraft fuel tanks | 72 |
| E369 Remove or install safety devices, such as seat pins or gear locks | 69 |
| M890 Perform preuse inspections of nonpowered AGE | 69 |
| O932 Clear Red-Diagonal conditions | 67 |
| E392 Service engine CSDs or IDGs | 67 |

The average TAFMS for this G-shred group is 2 years. The predominate paygrade is E-3 (82 percent) with only 12 percent in paygrade E-4. This group has the highest percentage of 3-skill level airmen assigned outside CONUS, 11 percent. These airmen primarily work in the Crew Chief Cluster (63 percent), with an additional 15 percent working in the Flight Line Maintenance Cluster. Like the F-shred personnel, the G-shred airmen work predominately on the flight line and reported their primary job titles as Aircraft Crew Chief, Assistant Crew Chief, or Flight Line Crew Chief. But unlike F-shred personnel who work solely on the B-52, the personnel in the G-shred work on numerous heavy aircraft such as: E-3, E-4, EC-135, DC-135, RC-135, C-135, WC-135, and KC-135. These G-shred airmen perform an average of 154 tasks. Typical tasks performed by members of this group are displayed in Table 21.

DAFSC 2A531H. The 110 airmen in the DAFSC 2A531H represent 14 percent of all 3-skill level airmen in the total sample, and 15 percent of all the active duty 3-skill level airmen. The H-shred personnel are responsible for maintaining KC-10 and E-4 aircraft.

The average TAFMS for this group is 1 year and 11 months. Ninety-two percent of these airmen are in the paygrades of E-3 or lower. They work primarily in 3 clusters: the Crew Chief Cluster (68 percent) the Flight Line Maintenance Cluster (8 percent), or the Equipment Management Cluster (5 percent). These airmen reported working primarily in the flight line and hold job titles such as: Aircraft Crew Chief, Assistant Crew Chief, or Flight Line Crew Chief. The average number of tasks performed by the total active duty H-shred airmen is 135 tasks. Typical tasks performed by member of this group are displayed on Table 22.

Skill-Level Descriptions
(Active Duty - DAFSC 2A551J/K/L)

DAFSC 2A551X. The 2,087 active duty airmen holding the 5-skill level comprise the largest skill-level group in the career ladder. They make up 30 percent of the total survey sample, 48 percent of the active duty sample, and 59 percent of all the 5-skill level personnel surveyed.

These active duty airmen average 8 years TAFMS. The members of this group primarily are in the E-4 and E-5 paygrade (50 and 44 percent, respectively). Most of these 5-skill level members belong to the Crew Chief Cluster (55 percent), with 7 percent working in Aero Repair Cluster, and another 7 percent working in the Equipment Management Cluster (see Table 7). Like their 3-skill level counterparts, they too spend the majority of their job time in Duty E, Performing General Airframe and Aircraft Maintenance. But as one would expect, they spend more relative job time in supervisory duties in comparison to 3-skill level individuals (see Table 11). Forty-three percent of these 5-skill level airmen report supervising. Table 23 lists representative tasks performed by this group.

TABLE 21

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A531G PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=101) |
|---|---|
| E179 Connect or disconnect external electrical aircraft power | 94 |
| E297 Perform foreign object damage (FOD) walks | 91 |
| E261 Open or close engine cowlings, panels, or doors | 90 |
| E175 Clean aircraft windshields | 86 |
| E304 Perform wing or tail walker procedures during aircraft towing | 85 |
| E264 Operate aircraft interphones | 82 |
| E294 Perform aircraft fueling or defueling | 82 |
| E176 Clean interior of aircraft | 82 |
| E295 Perform brake rider procedures during aircraft towing | 82 |
| E194 Inspect aircraft shock struts | 82 |
| E394 Service engines with oil | 80 |
| E389 Service aircraft tires | 80 |
| E251 Launch or recover aircraft | 79 |
| E307 Position fire extinguishers | 79 |
| E386 Service aircraft hydraulic systems | 78 |
| E267 Operate landing gear or wheel well doors | 78 |
| E195 Inspect aircraft windows or windshields | 77 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 76 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 76 |
| E188 Inspect access doors, hatches, or panels | 75 |
| E227 Inspect portable fire extinguishers | 75 |
| E257 Lubricate aircraft components | 74 |
| K805 Remove or install aircraft batteries | 73 |
| E170 Bleed brake systems | 73 |
| K789 Inspect external aircraft lights | 72 |
| E201 Inspect blow-out doors | 69 |
| F425 Inspect aircraft wheel and tire assemblies | 69 |
| F471 Remove or install aircraft brake assemblies or brake system components | 69 |
| E369 Remove or install safety devices, such as seat pins or gear locks | 68 |
| E190 Inspect aircraft for corrosion | 68 |
| E391 Service crew or passenger comfort facilities, such as latrines or galleys | 68 |
| F497 Remove or install wheel and tire assemblies | 68 |
| G540 Inspect portable oxygen bottles | 68 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 66 |
| I738 Service aircraft accumulators | 66 |
| F451 Inspect landing gear struts | 66 |
| E381 Remove snow or ice from aircraft | 66 |
| M891 Perform preuse inspections of powered AGE | 65 |
| J759 Inspect aircraft for fuel leaks | 65 |
| H614 Inspect elevators | 65 |
| E205 Inspect cargo loading struts or tail stands | 64 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 64 |
| L836 Inspect engine cowlings, panels, or doors | 64 |
| M890 Perform preuse inspections of nonpowered AGE | 63 |
| L835 Inspect engine cowling, panel, or door latches | 63 |

TABLE 22
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A531H PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=110) |
|--|---|
| E297 Perform foreign object damage (FOD) walks | 84 |
| E179 Connect or disconnect external electrical aircraft power | 83 |
| E294 Perform aircraft fueling or defueling | 80 |
| E175 Clean aircraft windshields | 80 |
| E261 Open or close engine cowlings, panels, or doors | 80 |
| E176 Clean interior of aircraft | 79 |
| E251 Launch or recover aircraft | 79 |
| E392 Service engine CSDs or IDGs | 79 |
| E394 Service engines with oil | 79 |
| E194 Inspect aircraft shock struts | 79 |
| E264 Operate aircraft interphones | 78 |
| E389 Service aircraft tires | 78 |
| E257 Lubricate aircraft components | 75 |
| E267 Operate landing gear or wheel well doors | 75 |
| E295 Perform brake rider procedures during aircraft towing | 75 |
| E304 Perform wing or tail walker procedures during aircraft towing | 74 |
| E396 Service gaseous oxygen systems | 74 |
| E227 Inspect portable fire extinguishers | 74 |
| E265 Operate aircraft radios | 74 |
| E195 Inspect aircraft windows or windshields | 73 |
| K789 Inspect external aircraft lights | 73 |
| E190 Inspect aircraft for corrosion | 72 |
| F425 Inspect aircraft wheel and tire assemblies | 72 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 72 |
| E307 Position fire extinguishers | 71 |
| J759 Inspect aircraft for fuel leaks | 70 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 69 |
| E183 Dispose of hazardous materials | 69 |
| E230 Inspect radomes | 69 |
| M891 Perform preuse inspections of powered AGE | 68 |
| M890 Perform preuse inspections of nonpowered AGE | 68 |
| E386 Service aircraft hydraulic systems | 68 |
| F451 Inspect landing gear struts | 67 |
| E214 Inspect engine pylons or aprons | 66 |
| J778 Transfer fuel within aircraft | 66 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 65 |
| E188 Inspect access doors, hatches, or panels | 65 |
| J756 Drain aircraft fuel tanks | 63 |
| L835 Inspect engine cowling, panel, or door latches | 62 |
| O931 Clear Red-Dash conditions | 61 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 61 |
| K790 Inspect external power receptacles | 61 |
| K805 Remove or install aircraft batteries | 61 |

TABLE 23

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A551X PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=2,087) |
|--|---|
| E297 Perform foreign object damage (FOD) walks | 74 |
| E179 Connect or disconnect external electrical aircraft power | 73 |
| 0932 Clear Red-Diagonal conditions | 69 |
| 0931 Clear Red-Dash conditions | 67 |
| E264 Operate aircraft interphones | 67 |
| E304 Perform wing or tail walker procedures during aircraft towing | 66 |
| E261 Open or close engine cowlings, panels, or doors | 65 |
| E389 Service aircraft tires | 63 |
| E194 Inspect aircraft shock struts | 63 |
| E257 Lubricate aircraft components | 63 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 62 |
| E188 Inspect access doors, hatches, or panels | 62 |
| E307 Position fire extinguishers | 62 |
| E295 Perform brake rider procedures during aircraft towing | 62 |
| 0928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 61 |
| E294 Perform aircraft fueling or defueling | 61 |
| E250 Jack or level aircraft | 61 |
| E251 Launch or recover aircraft | 60 |
| E195 Inspect aircraft windows or windshields | 60 |
| E190 Inspect aircraft for corrosion | 59 |
| E175 Clean aircraft windshields | 59 |
| F425 Inspect aircraft wheel and tire assemblies | 58 |
| E386 Service aircraft hydraulic systems | 58 |
| E176 Clean interior of aircraft | 57 |
| E227 Inspect portable fire extinguishers | 57 |
| E394 Service engines with oil | 57 |
| K789 Inspect external aircraft lights | 57 |
| F451 Inspect landing gear struts | 57 |
| M890 Perform preuse inspections of nonpowered AGE | 55 |
| E265 Operate aircraft radios | 55 |
| E230 Inspect radomes | 55 |
| M891 Perform preuse inspections of powered AGE | 54 |
| K805 Remove or install aircraft batteries | 54 |
| J778 Transfer fuel within aircraft | 53 |
| E153 Adjust access door or hatch latching mechanisms or linkages | 53 |
| E170 Bleed brake systems | 53 |
| 0946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 52 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 52 |
| E262 Open or close radomes | 52 |
| A27 Direct aircraft refueling or defueling operations | 51 |
| E303 Perform tow vehicle operator procedures during aircraft towing | 51 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 51 |
| J759 Inspect aircraft for fuel leaks | 51 |
| L835 Inspect engine cowling, panel, or door latches | 51 |
| I738 Service aircraft accumulators | 51 |

DAFSC 2A551J. The 2A531A, 2A531B, 2A531C and 2A531D DAFSCs merge at the 5-skill level to form the 2A551J DAFSC. This group is responsible for the following aircraft: C-5, C-9, C-12, C-17, C-20, C-21, C-22, C-26, C-27, C-130, C-141, T-39, and T-43 aircraft. The 1,180 airmen in the DAFSC 2A551J represent 33 percent of all 5-skill level members in the survey and 57 percent of all active duty 5-skill level airmen.

The members in this group average 7 years and 11 months TAFMS and 95 percent are either in the E-4 or E-5 paygrade. Sixteen percent are stationed outside of CONUS. Fifty percent of this group work in the Crew Chief Cluster, with smaller percentages working in all other jobs and clusters. The average number of tasks performed by the active duty 2A551J group is 182. This group performs the largest number of tasks for the active duty 5-skill level groups. Table 24 lists representative tasks performed by these airmen.

DAFSC 2A551K. DAFSCs 2A531E and 2A531F merge at the 5-skill level to form DAFSC 2A551K. This group of airmen is responsible for the B-1, B-2, and B-52 aircraft. The 264 airmen in the DAFSC 2A551K represent 7 percent of all 5-skill level and 13 percent of all active duty 5-skill level airmen.

The members in this group average 9 years and 3 months TAFMS and 93 percent hold the E-4 or E-5 paygrade. Sixty-six percent of this group work in the Crew Chief Cluster, with much smaller percentages working several other jobs such as Aero Repair Cluster (6 percent) and Equipment Management Cluster (5 percent) (see Table 7). The total active duty 2A551K perform an average of 148 tasks. Table 25 lists representative tasks performed by these airmen.

DAFSC 2A551L. The DAFSCs 2A531G and 2A531H combine at the 5-skill level to form the DAFSC 2A551L. This group is responsible for the following aircraft: C-135, C-18, E-3, E-4, KC-10, VC-25, and VC-137. The 643 airmen in the DAFSC 2A551L represent 18 percent of all 5-skill level and 31 percent of all active duty 5-skill level airmen.

The members in this group average 8 years and 1 month TAFMS, and 95 percent are in either the E-4 or E-5 paygrade. Sixty percent of airmen holding the L-shred work in the Crew Chief Cluster, with the additional 40 percent distributed throughout the other jobs and clusters. The average number of tasks performed by all L-shred personnel is 163 tasks. Table 26 lists representative tasks performed by these airmen. Tasks that best differentiate between the 3-skill level shreds and their respective 5-skill level are listed in Tables 27-35.

Skill-Level Descriptions
(Active Duty - DAFSC 2A571)

DAFSC 2A571. The 1,527 airmen in the 7-skill level group represent 22 percent of the total survey sample, 35 percent of the active duty sample; and 60 percent of the total 7-skill level sample. Their average TAFMS is 11 years and the predominate paygrades are E-6 and E-7.

TABLE 24

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A551J PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=1,180) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 72 |
| E179 Connect or disconnect external electrical aircraft power | 71 |
| O932 Clear Red-Diagonal conditions | 66 |
| O931 Clear Red-Dash conditions | 65 |
| E264 Operate aircraft interphones | 63 |
| E304 Perform wing or tail walker procedures during aircraft towing | 63 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 62 |
| E261 Open or close engine cowlings, panels, or doors | 62 |
| E389 Service aircraft tires | 61 |
| E307 Position fire extinguishers | 60 |
| E257 Lubricate aircraft components | 60 |
| E194 Inspect aircraft shock struts | 60 |
| E250 Jack or level aircraft | 60 |
| E188 Inspect access doors, hatches, or panels | 59 |
| E294 Perform aircraft fueling or defueling | 58 |
| E295 Perform brake rider procedures during aircraft towing | 58 |
| E251 Launch or recover aircraft | 57 |
| E195 Inspect aircraft windows or windshields | 57 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 56 |
| E190 Inspect aircraft for corrosion | 56 |
| E204 Inspect cargo door or ramp mechanical components | 56 |
| E175 Clean aircraft windshields | 56 |
| F425 Inspect aircraft wheel and tire assemblies | 55 |
| E265 Operate aircraft radios | 55 |
| E386 Service aircraft hydraulic systems | 55 |
| E176 Clean interior of aircraft | 54 |
| E227 Inspect portable fire extinguishers | 54 |
| E387 Service aircraft LOX systems | 54 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 53 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 49 |
| A27 Direct aircraft refueling or defueling operations | 49 |
| M890 Perform preuse inspections of nonpowered AGE | 49 |
| M891 Perform preuse inspections of powered AGE | 48 |
| D145 Inventory equipment, tools, parts, or supplies | 47 |
| B86 Conduct OJT | 47 |
| D140 Evaluate serviceability of equipment, tools, parts, or supplies | 42 |
| A76 Supervise military personnel | 42 |
| B101 Maintain training records or files | 42 |
| A14 Counsel subordinates concerning personal matters | 42 |
| A6 Conduct safety inspections of equipment or facilities | 41 |
| O933 Clear Red-X conditions | 39 |
| A17 Determine or establish work assignments or priorities | 38 |
| O941 Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 37 |
| B88 Counsel trainees on training progress | 37 |

TABLE 25
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A551K PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=264) |
|---|---|
| E179 Connect or disconnect external electrical aircraft power | 80 |
| E297 Perform foreign object damage (FOD) walks | 80 |
| E264 Operate aircraft interphones | 75 |
| E261 Open or close engine cowlings, panels, or doors | 73 |
| E188 Inspect access doors, hatches, or panels | 72 |
| O931 Clear Red-Dash conditions | 72 |
| E194 Inspect aircraft shock struts | 72 |
| E257 Lubricate aircraft components | 72 |
| O932 Clear Red-Diagonal conditions | 71 |
| E304 Perform wing or tail walker procedures during aircraft towing | 71 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 70 |
| E295 Perform brake rider procedures during aircraft towing | 70 |
| E307 Position fire extinguishers | 68 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 67 |
| E251 Launch or recover aircraft | 67 |
| E195 Inspect aircraft windows or windshields | 67 |
| E389 Service aircraft tires | 66 |
| M891 Perform preuse inspections of powered AGE | 66 |
| E386 Service aircraft hydraulic systems | 66 |
| M890 Perform preuse inspections of nonpowered AGE | 66 |
| E250 Jack or level aircraft | 66 |
| E394 Service engines with oil | 65 |
| E175 Clean aircraft windshields | 65 |
| F425 Inspect aircraft wheel and tire assemblies | 65 |
| E294 Perform aircraft fueling or defueling | 64 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 64 |
| E190 Inspect aircraft for corrosion | 64 |
| E230 Inspect radomes | 64 |
| K789 Inspect external aircraft lights | 64 |
| E262 Open or close radomes | 64 |
| E176 Clean interior of aircraft | 63 |
| E161 Adjust engine cowling, panel, or door latches | 63 |
| K805 Remove or install aircraft batteries | 63 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 62 |
| E227 Inspect portable fire extinguishers | 62 |
| L835 Inspect engine cowling, panel, or door latches | 62 |
| J759 Inspect aircraft for fuel leaks | 61 |
| E170 Bleed brake systems | 61 |
| I738 Service aircraft accumulators | 60 |
| F451 Inspect landing gear struts | 60 |
| L829 Inspect engine air inlet or exhaust areas | 58 |
| E245 Inspect weapons bay doors | 58 |
| J778 Transfer fuel within aircraft | 58 |
| E392 Service engine CSDs or IDGs | 58 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 56 |

TABLE 26
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A551L PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=643) |
|--|---|
| E179 Connect or disconnect external electrical aircraft power | 74 |
| E297 Perform foreign object damage (FOD) walks | 74 |
| O932 Clear Red-Diagonal conditions | 72 |
| O931 Clear Red-Dash conditions | 70 |
| E264 Operate aircraft interphones | 70 |
| E261 Open or close engine cowlings, panels, or doors | 69 |
| E304 Perform wing or tail walker procedures during aircraft towing | 68 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 66 |
| E267 Operate landing gear or wheel well doors | 66 |
| E294 Perform aircraft fueling or defueling | 65 |
| E389 Service aircraft tires | 65 |
| E307 Position fire extinguishers | 65 |
| E295 Perform brake rider procedures during aircraft towing | 65 |
| E194 Inspect aircraft shock struts | 65 |
| E257 Lubricate aircraft components | 65 |
| E251 Launch or recover aircraft | 64 |
| E188 Inspect access doors, hatches, or panels | 63 |
| E175 Clean aircraft windshields | 63 |
| E394 Service engines with oil | 62 |
| E195 Inspect aircraft windows or windshields | 62 |
| E190 Inspect aircraft for corrosion | 62 |
| F425 Inspect aircraft wheel and tire assemblies | 61 |
| E176 Clean interior of aircraft | 61 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 61 |
| M891 Perform preuse inspections of powered AGE | 61 |
| M890 Perform preuse inspections of nonpowered AGE | 61 |
| E386 Service aircraft hydraulic systems | 61 |
| E250 Jack or level aircraft | 61 |
| E227 Inspect portable fire extinguishers | 59 |
| K789 Inspect external aircraft lights | 59 |
| K805 Remove or install aircraft batteries | 59 |
| E303 Perform tow vehicle operator procedures during aircraft towing | 58 |
| J759 Inspect aircraft for fuel leaks | 58 |
| J778 Transfer fuel within aircraft | 58 |
| F451 Inspect landing gear struts | 58 |
| E265 Operate aircraft radios | 58 |
| J756 Drain aircraft fuel tanks | 57 |
| I738 Service aircraft accumulators | 56 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 55 |
| A27 Direct aircraft refueling or defueling operations | 55 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 55 |
| L835 Inspect engine cowling, panel, or door latches | 55 |
| E230 Inspect radomes | 55 |
| E201 Inspect blow-out doors | 54 |
| F471 Remove or install aircraft brake assemblies or brake system components | 54 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 54 |

TABLE 27

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY DAFSC 2A531X AND 2A551X PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531X (N=745) | DAFSC 2A551X (N=2087) | DIFFERENCE | |
|--|----------------------------|-----------------------------|----------------------------|-----------------------------|
| | | | DAFSC 2A531X (N=745) | DAFSC 2A551X (N=2087) |
| A76 Supervise military personnel | 3 | 41 | -38 | |
| E302 Perform tow supervisor procedures during aircraft towing | 4 | 42 | -38 | |
| B86 Conduct OJT | 9 | 46 | -37 | |
| O933 Clear Red-X conditions | 4 | 40 | -36 | |
| A14 Counsel subordinates concerning personal matters | 5 | 41 | -36 | |
| B88 Counsel trainees on training progress | 2 | 34 | -32 | |
| A27 Direct aircraft refueling or defueling operations | 19 | 51 | -32 | |
| A10 Conduct supervisory performance feedback sessions | 2 | 35 | -32 | |
| A17 Determine or establish work assignments or priorities | 7 | 36 | -29 | |
| B97 Evaluate progress of trainees | 3 | 30 | -28 | |
| A60 Inspect personnel for compliance with military standards | 4 | 32 | -28 | |
| L854 Operationally check engines | 5 | 33 | -28 | |
| A78 Write performance reports or supervisory appraisals | 2 | 29 | -27 | |
| E303 Perform tow vehicle operator procedures during aircraft towing | 26 | 51 | -26 | |
| A38 Establish performance standards for subordinates | 3 | 28 | -25 | |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 3 | 26 | -24 | |
| B96 Evaluate personnel to determine training needs | 2 | 24 | -22 | |
| B101 Maintain training records or files | 16 | 38 | -22 | |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 12 | 34 | -22 | |
| A79 Write recommendations for awards or decorations | 1 | 23 | -21 | |

TABLE 28

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY DAFSC 2A531A AND 2A551J PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531A (N=103) | DAFSC 2A551J (N=1,180) | DIFFERENCE |
|---|----------------------------|------------------------------|------------|
| | | | |
| E392 Service engine CSDs or IDGs | 59 | 31 | 28 |
| E263 Open or close tail cones | 50 | 24 | 25 |
| E205 Inspect cargo loading struts or tail stands | 50 | 27 | 23 |
| E375 Remove or install tail cones | 43 | 21 | 22 |
| E201 Inspect blow-out doors | 54 | 33 | 22 |
| E390 Service cargo loading struts | 43 | 22 | 21 |
| F493 Remove or install landing gear wheel spin brake components, such as snubber brakes | 33 | 14 | 19 |
| F454 Inspect landing gear wheel spin brake pads, such as snubber brakes | 44 | 25 | 19 |
| G542 Inspect smoke detection systems | 37 | 19 | 18 |
| B86 Conduct OTT | 6 | 47 | -41 |
| A76 Supervise military personnel | 2 | 42 | -40 |
| A27 Direct aircraft refueling or defueling operations | 10 | 49 | -39 |
| A14 Counsel subordinates concerning personal matters | 5 | 42 | -37 |
| O933 Clear Red-X conditions | 4 | 39 | -35 |
| A10 Conduct supervisory performance feedback sessions | 1 | 36 | -35 |
| E302 Perform tow supervisor procedures during aircraft towing | 3 | 36 | -34 |
| B88 Counsel trainees on training progress | 3 | 37 | -34 |
| E303 Perform tow vehicle operator procedures during aircraft towing | 16 | 49 | -34 |
| A17 Determine or establish work assignments or priorities | 7 | 38 | -31 |
| B97 Evaluate progress of trainees | 3 | 33 | -30 |
| F455 Inspect main landing gear jack screws | 13 | 40 | -28 |
| A60 Inspect personnel for compliance with military standards | 6 | 33 | -28 |
| F457 Lubricate main landing gear jack screws | 11 | 38 | -28 |
| A78 Write performance reports or supervisory appraisals | 2 | 30 | -28 |
| A38 Establish performance standards for subordinates | 2 | 30 | -28 |
| L854 Operationally check engines | 2 | 30 | -28 |
| G549 Operationally check ATMs | 3 | 29 | -26 |

TABLE 29

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY DAFSC 2A531B AND 2A551J PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531B (N=140) | DAFSC 2A551J (N=1,180) | DIFFERENCE |
|---|----------------------------|------------------------------|------------|
| | DAFSC 2A531B (N=140) | DAFSC 2A551J (N=1,180) | DIFFERENCE |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 64 | 29 | 35 |
| E260 Moor aircraft | 72 | 39 | 33 |
| E271 Operationally check air deflector doors | 59 | 27 | 32 |
| L850 Inspect propellers, brush-blocks, or related components | 44 | 16 | 28 |
| E239 Inspect static line retrievers | 52 | 27 | 25 |
| K813 Service aircraft battery sump jars | 54 | 31 | 23 |
| E211 Inspect crew hatch jettison system components | 44 | 21 | 23 |
| F457 Lubricate main landing gear jack screws | 61 | 38 | 23 |
| L881 Service propeller systems | 39 | 16 | 23 |
| E352 Remove or install liferafts | 66 | 43 | 23 |
| E170 Bleed brake systems | 71 | 49 | 22 |
| E176 Clean interior of aircraft | 75 | 54 | 21 |
| E264 Operate aircraft interphones | 84 | 63 | 21 |
| F455 Inspect main landing gear jack screws | 61 | 40 | 20 |
| E190 Inspect aircraft for corrosion | 76 | 56 | 20 |
| E291 Operationally check troop doors | 66 | 46 | 20 |
| E261 Open or close engine cowlings, panels, or doors | 81 | 62 | 20 |
| E294 Perform aircraft fueling or defueling | 78 | 58 | 20 |
| E290 Operationally check static line retrievers | 41 | 22 | 19 |
| L831 Inspect engine bays | 34 | 15 | 19 |
| E243 Inspect troop door systems | 63 | 44 | 19 |
| E219 Inspect liferaft release or stowage systems | 59 | 41 | 19 |
| A76 Supervise military personnel | 6 | 42 | -37 |
| A14 Counsel subordinates concerning personal matters | 9 | 42 | -34 |
| B86 Conduct OJT | 13 | 47 | -34 |
| A10 Conduct supervisory performance feedback sessions | 4 | 36 | -33 |
| O933 Clear Red-X conditions | 6 | 39 | -33 |
| B88 Counsel trainees on training progress | 4 | 37 | -32 |
| A60 Inspect personnel for compliance with military standards | 4 | 33 | -30 |
| A17 Determine or establish work assignments or priorities | 8 | 38 | -30 |
| E392 Service engine CSDs or IDGs | 3 | 31 | -29 |

TABLE 30

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY DAFSC 2A531C AND 2A551J PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531C (N=135) | DAFSC 2A551J (N=1,180) | DAFSC 2A551J (N=1,180) | DIFFERENCE |
|-------|----------------------------|------------------------------|------------------------------|------------|
| | | | DAFSC 2A531C (N=135) | |
| F448 | 67 | 19 | 48 | |
| F441 | 63 | 17 | 46 | |
| F444 | 53 | 14 | 38 | |
| I741 | 49 | 11 | 38 | |
| G532 | 47 | 12 | 36 | |
| F456 | 53 | 20 | 34 | |
| E207 | 52 | 18 | 34 | |
| F428 | 52 | 20 | 32 | |
| E400 | 59 | 27 | 32 | |
| G576 | 56 | 27 | 29 | |
| E392 | 60 | 31 | 29 | |
| G525 | 50 | 25 | 26 | |
| F432 | 50 | 24 | 25 | |
| F457 | 63 | 38 | 25 | |
| A14 | 1 | 42 | -41 | |
| B86 | 7 | 47 | -40 | |
| O933 | 1 | 39 | -38 | |
| E302 | 1 | 36 | -35 | |
| A27 | 13 | 49 | -35 | |
| E303 | 16 | 49 | -34 | |
| B88 | 2 | 37 | -34 | |
| A10 | 3 | 36 | -33 | |
| A60 | 2 | 33 | -31 | |
| B97 | 2 | 33 | -30 | |
| E260 | 10 | 39 | -29 | |
| K813 | 1 | 31 | -29 | |
| A17 | 10 | 38 | -28 | |

TABLE 31

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY DAFSC 2A531D AND 2A551J PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531D (N=80) | DAFSC 2A551J (N=1,180) | DAFSC 2A551J (N=1,180) | DIFFERENCE |
|--|---------------------------|------------------------------|------------------------------|------------|
| | DAFSC 2A531D (N=80) | DAFSC 2A551J (N=1,180) | DAFSC 2A551J (N=1,180) | DIFFERENCE |
| E357 Remove or install OBIGGS components | 44 | 1 | 1 | 42 |
| E285 Operationally check OBIGGSs | 38 | 2 | 2 | 36 |
| E222 Inspect on-board inert gaseous generation systems (OBIGGSs) | 35 | 3 | 3 | 32 |
| E397 Service OBIGGSs | 31 | 1 | 1 | 30 |
| E408 Troubleshoot OBIGGSs | 28 | 1 | 1 | 26 |
| E214 Inspect engine pylons or aprons | 60 | 36 | 36 | 24 |
| E260 Moor aircraft | 63 | 39 | 39 | 24 |
| E171 Bleed hydraulic systems | 53 | 29 | 29 | 24 |
| E187 Drain or replace aircraft engine oil | 58 | 35 | 35 | 23 |
| F425 Inspect aircraft wheel and tire assemblies | 78 | 55 | 55 | 22 |
| E232 Inspect ram air turbine (RAT) doors | 38 | 16 | 16 | 22 |
| J763 Inspect fuel vent boxes | 34 | 12 | 12 | 22 |
| G558 Operationally check smoke detection systems | 43 | 21 | 21 | 22 |
| E303 Perform tow vehicle operator procedures during aircraft | 6 | 49 | 49 | -43 |
| A14 Counsel subordinates concerning personal matters | 3 | 42 | 42 | -40 |
| A76 Supervise military personnel | 3 | 42 | 42 | -40 |
| B86 Conduct OJT | 6 | 47 | 47 | -40 |
| A10 Conduct supervisory performance feedback sessions | * | 36 | 36 | -36 |
| E302 Perform tow supervisor procedures during aircraft towing | 1 | 36 | 36 | -35 |
| B88 Counsel trainees on training progress | 1 | 37 | 37 | -35 |
| A17 Determine or establish work assignments or priorities | 4 | 38 | 38 | -34 |
| A27 Direct aircraft refueling or defueling operations | 16 | 49 | 49 | -33 |
| F455 Inspect main landing gear jack screws | 8 | 40 | 40 | -33 |
| A60 Inspect personnel for compliance with military standards | 1 | 33 | 33 | -32 |
| B97 Evaluate progress of trainees | 1 | 33 | 33 | -31 |
| O933 Clear Red-X conditions | 9 | 39 | 39 | -30 |

TABLE 32

**TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY DAFSC 2A531E AND 2A551K PERSONNEL
(PERCENT MEMBERS PERFORMING)**

| TASKS | DAFSC 32531E (N=40) | DAFSC 2A551K (N=264) | DIFFERENCE |
|--|---------------------------|----------------------------|------------|
| E220 Inspect magnetic chip detectors | 78 | 38 | 40 |
| E388 Service aircraft nitrogen systems | 73 | 36 | 37 |
| E180 Connect or disconnect hydraulic test stands to or from aircraft | 80 | 44 | 36 |
| E396 Service gaseous oxygen systems | 68 | 32 | 35 |
| E189 Inspect accessory drive gearbox (ADGs) | 75 | 40 | 35 |
| E224 Inspect overwing fairings | 78 | 44 | 34 |
| E299 Perform hardness critical procedure (HCP) ohm checks | 63 | 29 | 33 |
| E296 Perform chip detector ohm tests on aircraft components | 68 | 36 | 32 |
| E359 Remove or install overwing fairing seals | 60 | 30 | 30 |
| E266 Operate centralized aircraft support systems (CASSSs) | 63 | 35 | 28 |
| K804 Perform CITS ground readiness tests (GRTs) | 50 | 25 | 25 |
| F453 Inspect landing gear up-lock mechanisms | 53 | 28 | 25 |
| E267 Operate landing gear or wheel well doors | 65 | 40 | 25 |
| E286 Operationally check overwing fairing seals | 48 | 24 | 23 |
| E391 Service crew or passenger comfort facilities, such as latrines or galleys | 65 | 43 | 22 |
| E334 Remove or install CITS magnetic tapes | 48 | 25 | 22 |
| E183 Dispose of hazardous materials | 68 | 46 | 22 |
| O933 Clear Red-X conditions | * | 38 | -38 |
| A27 Direct aircraft refueling or defueling operations | 15 | 53 | -38 |
| E302 Perform tow supervisor procedures during aircraft towing | 13 | 49 | -37 |
| A76 Supervise military personnel | * | 33 | -33 |
| A14 Counsel subordinates concerning personal matters | * | 33 | -33 |
| E186 Drain liquid oxygen (LOX) systems | 3 | 32 | -30 |
| H625 Inspect spoiler systems | 10 | 40 | -30 |
| B86 Conduct OJT | 8 | 38 | -30 |
| G565 Remove or install drag chutes | * | 30 | -30 |
| A17 Determine or establish work assignments or priorities | 3 | 31 | -28 |
| L859 Remove or install engine cowling, panel, or door latches | 25 | 51 | -26 |
| I700 Inspect hydraulic system reservoirs | 13 | 39 | -26 |

TABLE 33

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A531F AND 2A551K PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531F (N=36) | DAFSC 2A551K (N=264) | DIFFERENCE |
|--|---------------------------|----------------------------|------------|
| | | | |
| G565 Remove or install drag chutes | 81 | 30 | 50 |
| G580 Service portable oxygen bottles | 64 | 19 | 45 |
| L828 Inspect cartridge-type starter breech caps | 67 | 23 | 44 |
| E186 Drain liquid oxygen (LOX) systems | 75 | 32 | 43 |
| J780 Verify aircraft fuel tank quantity with dipstick or sight gauge | 72 | 33 | 40 |
| E387 Service aircraft LOX systems | 72 | 34 | 38 |
| E191 Inspect aircraft fuel system surge suppressors or surge tanks | 64 | 26 | 38 |
| E192 Inspect aircraft LOX systems | 58 | 23 | 36 |
| E385 Service aircraft fuel system surge suppressors or surge tanks | 50 | 15 | 35 |
| L821 Clean cartridge-type starter breech caps | 61 | 27 | 35 |
| L868 Remove or install engine starter cartridges | 58 | 24 | 34 |
| L866 Remove or install engine nosedomes | 56 | 22 | 33 |
| E302 Perform tow supervisor procedures during aircraft towing | 6 | 49 | -44 |
| A27 Direct aircraft refueling or defueling operations | 14 | 53 | -39 |
| E220 Inspect magnetic chip detectors | * | 38 | -38 |
| E269 Operate weapons bay doors | 17 | 54 | -38 |
| E296 Perform chip detector ohm tests on aircraft components | * | 36 | -36 |
| E267 Operate landing gear or wheel well doors | 6 | 40 | -35 |
| E266 Operate centralized aircraft support systems (CASSSs) | * | 35 | -35 |
| E224 Inspect overwing fairings | 11 | 44 | -33 |
| O933 Clear Red-X conditions | 6 | 38 | -32 |
| A17 Determine or establish work assignments or priorities | * | 31 | -31 |
| A76 Supervise military personnel | 3 | 33 | -30 |
| E388 Service aircraft nitrogen systems | 6 | 36 | -30 |

TABLE 34

TASKS WHICH BEST DIFFERENTIATE BETWEEN 2A531G AND 2A551L PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531G (N=101) | | DAFSC 2A551L (N=643) | DIFFERENCE |
|---|----------------------------|----------------------------|----------------------------|------------|
| | DAFSC 2A531G (N=101) | DAFSC 2A551L (N=643) | | |
| E175 Clean aircraft windshields | 86 | 63 | 23 | |
| E176 Clean interior of aircraft | 82 | 61 | 21 | |
| E261 Open or close engine cowlings, panels, or doors | 90 | 69 | 21 | |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 76 | 56 | 20 | |
| F447 Inspect landing gear or tip gear centering cylinders | 46 | 25 | 20 | |
| E302 Perform tow supervisor procedures during aircraft towing | 3 | 50 | -47 | |
| A14 Counsel subordinates concerning personal matters | 4 | 44 | -40 | |
| O933 Clear Red-X conditions | 2 | 42 | -40 | |
| B86 Conduct OJT | 9 | 47 | -38 | |
| A76 Supervise military personnel | 2 | 40 | -38 | |
| A27 Direct aircraft refueling or defueling operations | 22 | 55 | -33 | |
| B88 Counsel trainees on training progress | 1 | 33 | -32 | |
| A10 Conduct supervisory performance feedback sessions | 3 | 35 | -32 | |
| L854 Operationally check engines | 13 | 40 | -28 | |
| B101 Maintain training records or files | 10 | 38 | -28 | |
| A38 Establish performance standards for subordinates | 1 | 28 | -27 | |
| A78 Write performance reports or supervisory appraisals | 2 | 29 | -27 | |
| A17 Determine or establish work assignments or priorities | 8 | 34 | -26 | |
| B97 Evaluate progress of trainees | 3 | 29 | -26 | |
| A60 Inspect personnel for compliance with military standards | 9 | 33 | -24 | |
| A79 Write recommendations for awards or decorations | 2 | 26 | -24 | |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 3 | 26 | -23 | |
| A7 Conduct self-inspections or self-assessments | 14 | 36 | -22 | |
| B96 Evaluate personnel to determine training needs | 2 | 23 | -21 | |

TABLE 35

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A531H AND 2A551L PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531H (N=110) | DAFSC 2A551L (N=643) | DIFFERENCE |
|---|----------------------------|----------------------------|------------|
| E214 Inspect engine pylons or aprons | 66 | 20 | 46 |
| G542 Inspect smoke detection systems | 47 | 8 | 40 |
| J763 Inspect fuel vent boxes | 59 | 21 | 38 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 72 | 37 | 35 |
| G558 Operationally check smoke detection systems | 35 | 7 | 28 |
| E392 Service engine CSDs or IDGs | 79 | 51 | 28 |
| J758 Inspect air refueling receiver systems | 46 | 19 | 28 |
| I697 Inspect hydraulic system filters | 45 | 19 | 27 |
| J755 Clean air refueling receiver system components | 41 | 15 | 26 |
| G579 Service hot, cold, or potable water systems | 37 | 12 | 26 |
| E388 Service aircraft nitrogen systems | 53 | 28 | 25 |
| M894 Service gaseous oxygen servicing carts | 27 | 4 | 24 |
| E396 Service gaseous oxygen systems | 74 | 52 | 22 |
| M898 Service oil servicing carts | 47 | 26 | 22 |
| E302 Perform tow supervisor procedures during aircraft towing | 3 | 50 | -48 |
| A76 Supervise military personnel | 2 | 40 | -39 |
| L854 Operationally check engines | 4 | 40 | -37 |
| O933 Clear Red-X conditions | 5 | 42 | -37 |
| B86 Conduct OJT | 13 | 47 | -35 |
| A14 Counsel subordinates concerning personal matters | 10 | 44 | -34 |
| F461 Operationally check landing gear antiskid systems | 6 | 38 | -32 |
| E162 Adjust escape hatches for fit and pressurization | 9 | 41 | -32 |
| A10 Conduct supervisory performance feedback sessions | 4 | 35 | -32 |
| H596 Adjust cove lip door components | 1 | 33 | -32 |
| B88 Counsel trainees on training progress | 3 | 33 | -31 |
| I729 Remove or install hydraulic system accumulators | 6 | 36 | -30 |
| F474 Remove or install landing gear antiskid system components, such as wheel-speed sensors | 5 | 35 | -30 |
| E337 Remove or install crew doors | 5 | 34 | -29 |
| F473 Remove or install brake equalizing or compensating rods | 1 | 30 | -29 |
| A60 Inspect personnel for compliance with military standards | 5 | 33 | -28 |

Unlike their junior counterparts at the 3- and 5-skill levels, higher percentages of these personnel are working in the Supervisory Cluster (23 percent), with only 27 percent in the Crew Chief Cluster (see Table 7). Although a substantial amount of their relative job time is devoted to technical duties, 7-skill level personnel are also involved in the upper-level managerial, supervisory, and training duties (see Table 11). Seventy-seven percent of these airmen hold a supervisory position. The total 7-skill level group performs an average of 132 tasks. Representative tasks performed by these airmen are listed on Table 36.

The managerial role that 7-skill level personnel perform is the main distinguishing feature between them and the 5-skill level. Tables 37-40 display those tasks that best differentiate between the 5-skill shreds and the 7-skill level DAFSC.

Skill-Level Descriptions
(Active Duty - DAFSC 2A590)

DAFSC 2A590. The 34 airmen in the 9-skill level group represent less than 1 percent of the total survey and active duty sample. Their average TAFMS is 18 years and 2 months, and the predominate paygrades are E-7 and E-8.

Unlike their counterparts in the lower skill levels, 9-skill level members primarily function as supervisors for the career field as 85 percent of this group hold a direct supervisory position. These experienced airmen primarily work in 3 areas: Supervisory Cluster (41 percent), Flight Line Expediter Job (24 percent), and Quality Assurance Evaluator Job (6 percent). Eighty-nine percent of their job time is spent on supervisory duties (see Table 11, Duties A through D). Representative tasks performed by these 9-skill level airmen are listed on Table 41. These tasks are distinctly supervisory and managerial in nature. To see the tasks that best differentiate between the 7- and 9-skill level DAFSCs, see Table 42.

Summary

In summary, a clear pattern of progression is seen in the active duty Aerospace Maintenance specialty. Members at the 3-skill level tend to work primarily on the technical duties, such as general airframe and aircraft maintenance. They also spend a large portion of their relative job time maintaining the various aircraft systems, such as: landing gears, utility, pneudraulic, fuel, and electrical systems. At the 5-skill level, a moderate shift towards supervisory functions occurs, with members still spending more than 65 percent of their relative job time performing technical functions. Personnel at the 7-skill level primarily perform managerial and supervisory work, although a small percentage of their relative job time is still spent on technical duties. Personnel at the 9-skill level primarily perform supervisory functions.

TABLE 36
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A571 PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=1,527) |
|--|---|
| A14 Counsel subordinates concerning personal matters | 72 |
| A76 Supervise military personnel | 71 |
| A17 Determine or establish work assignments or priorities | 64 |
| A10 Conduct supervisory performance feedback sessions | 64 |
| A60 Inspect personnel for compliance with military standards | 63 |
| A78 Write performance reports or supervisory appraisals | 60 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 58 |
| A79 Write recommendations for awards or decorations | 57 |
| E297 Perform foreign object damage (FOD) walks | 57 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 56 |
| O933 Clear Red-X conditions | 56 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 53 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 52 |
| A6 Conduct safety inspections of equipment or facilities | 52 |
| A7 Conduct self-inspections or self-assessments | 52 |
| O931 Clear Red-Dash conditions | 52 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 51 |
| B101 Maintain training records or files | 51 |
| O932 Clear Red-Diagonal conditions | 50 |
| A38 Establish performance standards for subordinates | 49 |
| A61 Interpret policies, directives, or procedures for subordinates | 48 |
| B86 Conduct OJT | 46 |
| B88 Counsel trainees on training progress | 46 |
| A69 Plan or schedule work assignments or priorities | 45 |
| A15 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 44 |
| A2 Assign personnel to work areas or duty positions, other than mobility positions | 44 |
| B97 Evaluate progress of trainees | 44 |
| A21 Develop or establish work schedules | 43 |
| A42 Evaluate in-process maintenance | 42 |
| A27 Direct aircraft refueling or defueling operations | 42 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 41 |
| A9 Conduct supervisory orientations for newly assigned personnel | 41 |
| B96 Evaluate personnel to determine training needs | 41 |
| A52 Evaluate personnel for promotion, demotion, reclassification, or special awards | 40 |
| A20 Develop or establish work methods or procedures | 39 |

TABLE 37

**TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY DAFSC 2A55IX AND 2A571 PERSONNEL
(PERCENT MEMBERS PERFORMING)**

| TASKS | DAFSC 2A55IX (N=2,087) | | DAFSC 2A571 (N=1527) | | DIFFERENCE |
|--|------------------------------|----------------------------|----------------------------|----------------------------|------------|
| | DAFSC 2A55IX (N=2,087) | DAFSC 2A571 (N=1527) | DAFSC 2A571 (N=1527) | DAFSC 2A571 (N=1527) | |
| E389 Service aircraft tires | 63 | 33 | 30 | 30 | |
| E175 Clean aircraft windshields | 59 | 30 | 30 | 30 | |
| E176 Clean interior of aircraft | 57 | 28 | 29 | 29 | |
| E295 Perform brake rider procedures during aircraft towing | 62 | 33 | 29 | 29 | |
| E257 Lubricate aircraft components | 63 | 36 | 28 | 28 | |
| E179 Connect or disconnect external electrical aircraft power | 73 | 46 | 27 | 27 | |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 62 | 35 | 27 | 27 | |
| E170 Bleed brake systems | 53 | 26 | 26 | 26 | |
| E322 Remove or install aircraft windows or windshields | 51 | 24 | 26 | 26 | |
| E264 Operate aircraft interphones | 67 | 41 | 26 | 26 | |
| E386 Service aircraft hydraulic systems | 58 | 33 | 26 | 26 | |
| E294 Perform aircraft fueling or defueling | 61 | 36 | 25 | 25 | |
| E304 Perform wing or tail walker procedures during aircraft towing | 66 | 41 | 25 | 25 | |
| K805 Remove or install aircraft batteries | 54 | 30 | 24 | 24 | |
| E262 Open or close radomes | 52 | 28 | 24 | 24 | |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 23 | 56 | -34 | -34 | |
| A79 Write recommendations for awards or decorations | 23 | 57 | -34 | -34 | |
| A76 Supervise military personnel | 41 | 71 | -31 | -31 | |
| A78 Write performance reports or supervisory appraisals | 29 | 60 | -31 | -31 | |
| A14 Counsel subordinates concerning personal matters | 41 | 72 | -30 | -30 | |
| A60 Inspect personnel for compliance with military standards | 32 | 63 | -30 | -30 | |

TABLE 38

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A551J AND 2A571 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A551J (N=1,180) | | DAFSC 2A571 (N=1,527) | | DIFFERENCE |
|--|------------------------------|-----------------------------|-----------------------------|------------------------------|------------|
| | DAFSC 2A551J (N=1,180) | DAFSC 2A571 (N=1,527) | DAFSC 2A571 (N=1,527) | DAFSC 2A551J (N=1,180) | |
| E206 Inspect cargo ramp seals | 51 | 17 | 17 | 35 | |
| E275 Operationally check cargo doors or ramps | 54 | 20 | 20 | 34 | |
| E204 Inspect cargo door or ramp mechanical components | 56 | 23 | 23 | 34 | |
| E387 Service aircraft LOX systems | 54 | 21 | 21 | 33 | |
| E318 Remove or install aircraft door negotiator springs | 43 | 11 | 11 | 32 | |
| E291 Operationally check troop doors | 46 | 14 | 14 | 31 | |
| E352 Remove or install liferafts | 43 | 13 | 13 | 30 | |
| E243 Inspect troop door systems | 44 | 15 | 15 | 29 | |
| E389 Service aircraft tires | 61 | 33 | 33 | 28 | |
| E260 Moor aircraft | 39 | 11 | 11 | 28 | |
| F457 Lubricate main landing gear jack screws | 38 | 11 | 11 | 27 | |
| F455 Inspect main landing gear jack screws | 40 | 14 | 14 | 27 | |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 62 | 35 | 35 | 27 | |
| E175 Clean aircraft windshields | 56 | 30 | 30 | 26 | |
| E176 Clean interior of aircraft | 54 | 28 | 28 | 25 | |
| E179 Connect or disconnect external electrical aircraft power | 71 | 46 | 46 | 25 | |
| E377 Remove or install troop door components | 35 | 10 | 10 | 25 | |
| E257 Lubricate aircraft components | 60 | 36 | 36 | 25 | |
| A79 Write recommendations for awards or decorations | 22 | 57 | 57 | -35 | |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 23 | 56 | 56 | -33 | |
| A14 Counsel subordinates concerning personal matters | 42 | 72 | 72 | -30 | |
| A78 Write performance reports or supervisory appraisals | 30 | 60 | 60 | -30 | |
| A76 Supervise military personnel | 42 | 71 | 71 | -29 | |
| A60 Inspect personnel for compliance with military standards | 33 | 63 | 63 | -29 | |
| A10 Conduct supervisory performance feedback sessions | 36 | 64 | 64 | -28 | |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 13 | 41 | 41 | -28 | |
| A61 Interpret policies, directives, or procedures for subordinates | 21 | 48 | 48 | -27 | |

TABLE 39

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A551K AND A2571 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A551K (N=264) | DAFSC 2A571 (N=1,527) | DIFFERENCE |
|--|----------------------------|-----------------------------|------------|
| | DAFSC 2A551K (N=264) | DAFSC 2A571 (N=1,527) | DIFFERENCE |
| E245 Inspect weapons bay doors | 58 | 6 | 52 |
| E269 Operate weapons bay doors | 54 | 4 | 50 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 64 | 19 | 45 |
| E268 Operate seat adjustment actuators | 55 | 16 | 39 |
| I684 Drain hydraulic systems | 53 | 15 | 38 |
| E295 Perform brake rider procedures during aircraft towing | 70 | 33 | 37 |
| E257 Lubricate aircraft components | 72 | 36 | 36 |
| E262 Open or close radomes | 64 | 28 | 36 |
| E161 Adjust engine cowling, panel, or door latches | 63 | 28 | 35 |
| E175 Clean aircraft windshields | 65 | 30 | 35 |
| E170 Bleed brake systems | 61 | 26 | 35 |
| E176 Clean interior of aircraft | 63 | 28 | 35 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 62 | 27 | 35 |
| E264 Operate aircraft interphones | 75 | 41 | 35 |
| E392 Service engine CSDs or IDGs | 58 | 24 | 35 |
| A78 Write performance reports or supervisory appraisals | 20 | 60 | -40 |
| A79 Write recommendations for awards or decorations | 17 | 57 | -40 |
| A14 Counsel subordinates concerning personal matters | 33 | 72 | -39 |
| A60 Inspect personnel for compliance with military standards | 24 | 63 | -39 |
| A10 Conduct supervisory performance feedback sessions | 27 | 64 | -38 |
| A76 Supervise military personnel | 33 | 71 | -38 |
| A61 Interpret policies, directives, or procedures for subordinates | 11 | 48 | -37 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 20 | 56 | -36 |
| A15 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 9 | 44 | -35 |

TABLE 40

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A551L AND 2A571 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A551L (N=643) | DAFSC 2A571 (N=1,527) | DIFFERENCE |
|---|----------------------------|-----------------------------|------------|
| | DAFSC 2A551L (N=643) | DAFSC 2A571 (N=1,527) | DIFFERENCE |
| E391 Service crew or passenger comfort facilities, such as latrines or galleys | 53 | 15 | 37 |
| E396 Service gaseous oxygen systems | 52 | 14 | 37 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 56 | 19 | 37 |
| E267 Operate landing gear or wheel well doors | 66 | 29 | 37 |
| J756 Drain aircraft fuel tanks | 57 | 24 | 34 |
| E175 Clean aircraft windshields | 63 | 30 | 34 |
| E389 Service aircraft tires | 65 | 33 | 33 |
| E176 Clean interior of aircraft | 61 | 28 | 33 |
| E295 Perform brake rider procedures during aircraft towing | 65 | 33 | 32 |
| E205 Inspect cargo loading struts or tail stands | 50 | 18 | 31 |
| | | | |
| A64 Participate in general meetings, such as staff meetings, | 23 | 56 | -33 |
| A17 Determine or establish work assignments or priorities | 34 | 64 | -31 |
| A76 Supervise military personnel | 40 | 71 | -31 |
| A60 Inspect personnel for compliance with military standards | 33 | 63 | -30 |
| A78 Write performance reports or supervisory appraisals | 29 | 60 | -30 |
| A79 Write recommendations for awards or decorations | 26 | 57 | -30 |
| A10 Conduct supervisory performance feedback sessions | 35 | 64 | -29 |
| A15 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 16 | 44 | -29 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 12 | 41 | -29 |

TABLE 41
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A590 PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=34) |
|--|--|
| A17 Determine or establish work assignments or priorities | 88 |
| A14 Counsel subordinates concerning personal matters | 88 |
| A76 Supervise military personnel | 85 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 79 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 74 |
| A7 Conduct self-inspections or self-assessments | 74 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 71 |
| A60 Inspect personnel for compliance with military standards | 71 |
| A10 Conduct supervisory performance feedback sessions | 68 |
| A12 Coordinate cannibalization of parts with appropriate agencies | 65 |
| A78 Write performance reports or supervisory appraisals | 65 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 65 |
| A42 Evaluate in-process maintenance | 65 |
| A21 Develop or establish work schedules | 62 |
| A57 Indorse performance reports or supervisory appraisals | 62 |
| O933 Clear Red-X conditions | 62 |
| A62 Investigate accidents or incidents | 62 |
| A15 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 59 |
| A61 Interpret policies, directives, or procedures for subordinates | 59 |
| A52 Evaluate personnel for promotion, demotion, reclassification, or special awards | 59 |
| A2 Assign personnel to work areas or duty positions, other than mobility positions | 56 |
| A79 Write recommendations for awards or decorations | 56 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 56 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 53 |
| A69 Plan or schedule work assignments or priorities | 53 |
| A18 Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans | 53 |
| O931 Clear Red-Dash conditions | 53 |
| A56 Evaluate workload requirements | 50 |
| A48 Evaluate logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 50 |
| A6 Conduct safety inspections of equipment or facilities | 50 |
| A11 Coordinate aircraft launch and recovery times with aircrews or appropriate agencies | 47 |
| O945 Retrieve CAMS or G0-81 listings or reports | 47 |

TABLE 42

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY DAFSC 2A571 AND 2A590 PERSONNEL

| TASKS | DAFSC 2A571 (N=1,527) | DAFSC 2A590 (N=34) | DIFFERENCE |
|--|-----------------------------|--------------------------|------------|
| | 46 | 15 | 32 |
| E179 Connect or disconnect external electrical aircraft power | 33 | 3 | 30 |
| E295 Perform brake rider procedures during aircraft towing | 28 | * | 28 |
| E176 Clean interior of aircraft | 46 | 18 | 28 |
| B88 Counsel trainees on training progress | 51 | 24 | 28 |
| B101 Maintain training records or files | 28 | * | 28 |
| E161 Adjust engine cowling, panel, or door latches | 33 | 6 | 27 |
| E389 Service aircraft tires | 36 | 9 | 27 |
| E257 Lubricate aircraft components | 33 | 6 | 27 |
| E386 Service aircraft hydraulic systems | 38 | 12 | 27 |
| F425 Inspect aircraft wheel and tire assemblies | 35 | 9 | 26 |
| E251 Launch or recover aircraft | 31 | 6 | 25 |
| J778 Transfer fuel within aircraft | 40 | 15 | 25 |
| E261 Open or close engine cowlings, panels, or doors | 37 | 12 | 25 |
| E195 Inspect aircraft windows or windshields | 28 | 3 | 25 |
| K799 Operationally check external aircraft lighting system components | 36 | 12 | 25 |
| E294 Perform aircraft fueling or defueling | 33 | 9 | 24 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 39 | 15 | 24 |
| E194 Inspect aircraft shock struts | 33 | 9 | 24 |
| J759 Inspect aircraft for fuel leaks | 22 | 62 | -40 |
| A62 Investigate accidents or incidents | 17 | 50 | -33 |
| O935 Coordinate material deficiency reports (MDRs), quality deficiency reports (QDRs), or software deficiency reports (SDRs) with appropriate agencies | 30 | 62 | -32 |
| A57 Indorse performance reports or supervisory appraisals | 23 | 53 | -30 |
| A18 Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans | 41 | 71 | -29 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 37 | 65 | -28 |
| A12 Coordinate cannibalization of parts with appropriate agencies | 51 | 79 | -28 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 19 | 44 | -26 |
| C131 Participate in TCTO meetings | | | |

Skill-Level Descriptions
(AFRC - DAFSC 2A531A/B/C)

The 50 AFRC airmen in the DAFSC 2A531X represent less than 1 percent of the total survey sample and 3 percent of the total AFRC sample. Forty-eight percent of these airmen report working primarily on the flight line with no other work area identified. The primary paygrade for this group is E-5.

These airmen work predominately in three clusters: Crew Chief (56 percent), Flight Line Maintenance (10 percent) and -21 AME Support (6 percent) (see Table 8). As expected, Crew Chief was the primary job title identified. The average number of tasks performed by all AFRC 3-skill level airmen is 150. The majority of their relative job time is spent in Duty E, Performing Airframe and Aircraft Maintenance (47 percent) and Duty F, Maintaining Landing Gear Systems (10 percent). These percentages are very similar to those of their active duty counterparts (see Tables 11 and 12). Representative tasks for all AFRC 3 skill-level aerospace maintenance personnel are displayed on Table 43. *Only shreds with more than five members will be reported in this section.*

DAFSC 2A531A. The 9 reservists in the DAFSC 2A531A represent less than 1 percent of the AFRC survey sample, but make up 18 percent of AFRC 3-skill level airmen. The 2A531A personnel are responsible for maintaining the C-9, C-20, C-21, C-22, C-141, T-39, and T-43 aircraft. The predominate paygrades for this group are E-5 (78 percent) and E-6 (11 percent).

In comparison to their active duty counterparts, reservists in the A-shred spend more relative job time on -21 AME systems and less time on general airframe and aircraft maintenance than active duty A-shred personnel (see Tables 10 and 12). The average number of tasks performed by the total AFRC A-shred group is 156 tasks, in comparison to the active duty A-shred counterpart who performs 132 tasks. Tasks performed by members of this group are displayed in Table 44.

DAFSC 2A531B. The 20 airmen in the DAFSC 2A531B represent less than 1 percent of the AFRC survey sample and 40 percent of AFRC 3-skill level airmen. This group is evenly divided into paygrades E-4 and E-5. The AFRC 2A531B personnel in this survey report they primarily maintain the WC-130.

Half of these airmen work in the Crew Chief Cluster. Like their active duty counterparts, they too spend the majority of their relative job time in Duty E, Performing General Airframe and Aircraft Maintenance (53 percent) and Duty F, Maintaining Landing Gear Systems (10 percent) (see Tables 11 and 12).

All the members in this group are assigned to CONUS. The average number of tasks performed by AFRC DAFSC 2A531B personnel is 142. This is a lower average number of tasks performed than their active duty counterparts who average 156 tasks. Tasks performed by members of this group are displayed in Table 45.

TABLE 43
REPRESENTATIVE TASKS PERFORMED BY AFRC 2A531X PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=50) |
|--|--|
| E297 Perform foreign object damage (FOD) walks | 94 |
| E179 Connect or disconnect external electrical aircraft power | 84 |
| E261 Open or close engine cowlings, panels, or doors | 80 |
| E257 Lubricate aircraft components | 80 |
| E227 Inspect portable fire extinguishers | 80 |
| E304 Perform wing or tail walker procedures during aircraft towing | 78 |
| E194 Inspect aircraft shock struts | 78 |
| E176 Clean interior of aircraft | 76 |
| E307 Position fire extinguishers | 76 |
| E251 Launch or recover aircraft | 76 |
| F425 Inspect aircraft wheel and tire assemblies | 74 |
| E250 Jack or level aircraft | 74 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 72 |
| E264 Operate aircraft interphones | 72 |
| E389 Service aircraft tires | 72 |
| E175 Clean aircraft windshields | 72 |
| K792 Inspect internal aircraft lights, other than emergency lights | 72 |
| F451 Inspect landing gear struts | 72 |
| E190 Inspect aircraft for corrosion | 70 |
| E394 Service engines with oil | 70 |
| K789 Inspect external aircraft lights | 70 |
| E195 Inspect aircraft windows or windshields | 70 |
| K790 Inspect external power receptacles | 68 |
| M891 Perform preuse inspections of powered AGE | 66 |
| M890 Perform preuse inspections of nonpowered AGE | 66 |
| K785 Inspect aircraft batteries or aircraft battery components | 66 |
| E294 Perform aircraft fueling or defueling | 64 |
| E386 Service aircraft hydraulic systems | 64 |
| E188 Inspect access doors, hatches, or panels | 62 |
| E387 Service aircraft LOX systems | 62 |
| E204 Inspect cargo door or ramp mechanical components | 62 |
| L844 Inspect engine nacelles | 62 |
| L835 Inspect engine cowling, panel, or door latches | 62 |
| F435 Inspect landing gear door mechanisms | 60 |
| K805 Remove or install aircraft batteries | 60 |
| K796 Operationally check aircraft batteries | 58 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 58 |
| E225 Inspect permanently installed aircraft fire extinguishers | 56 |
| J759 Inspect aircraft for fuel leaks | 56 |
| J766 Inspect single-point fuel receptacles | 56 |
| E218 Inspect ladder systems, such as entry, flight station, or troop compartment | 56 |
| J778 Transfer fuel within aircraft | 56 |
| F455 Inspect main landing gear jack screws | 56 |

TABLE 44
REPRESENTATIVE TASKS PERFORMED BY AFRC 2A531A PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=9) |
|--|---|
| E297 Perform foreign object damage (FOD) walks | 89 |
| E250 Jack or level aircraft | 89 |
| E257 Lubricate aircraft components | 89 |
| E179 Connect or disconnect external electrical aircraft power | 78 |
| E203 Inspect cargo compartment pressure doors | 78 |
| E304 Perform wing or tail walker procedures during aircraft towing | 78 |
| E204 Inspect cargo door or ramp mechanical components | 67 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 67 |
| E176 Clean interior of aircraft | 67 |
| E227 Inspect portable fire extinguishers | 67 |
| E259 Maintain security of hazardous materials, such as oil, rags, or grease | 67 |
| E190 Inspect aircraft for corrosion | 67 |
| E307 Position fire extinguishers | 67 |
| E187 Drain or replace aircraft engine oil | 67 |
| E205 Inspect cargo loading struts or tail stands | 67 |
| E261 Open or close engine cowlings, panels, or doors | 67 |
| D145 Inventory equipment, tools, parts, or supplies | 56 |
| D146 Issue or log turn-ins of equipment, tools, parts, or supplies | 56 |
| N918 Perform repairs on cargo compartment seats or litters | 56 |
| N906 Maintain cargo loading winches | 56 |
| P962 Don or doff chemical warfare personal protective clothing | 56 |
| E206 Inspect cargo ramp seals | 56 |
| G580 Service portable oxygen bottles | 56 |
| E153 Adjust access door or hatch latching mechanisms or linkages | 56 |
| E218 Inspect ladder systems, such as entry, flight station, or troop compartment | 56 |
| K796 Operationally check aircraft batteries | 56 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 56 |
| E394 Service engines with oil | 56 |
| G518 Inspect aircraft emergency lighting systems | 56 |
| E369 Remove or install safety devices, such as seat pins or gear locks | 56 |
| K790 Inspect external power receptacles | 56 |
| E294 Perform aircraft fueling or defueling | 56 |
| J766 Inspect single-point fuel receptacles | 56 |
| E264 Operate aircraft interphones | 56 |
| F425 Inspect aircraft wheel and tire assemblies | 56 |
| K792 Inspect internal aircraft lights, other than emergency lights | 56 |
| N913 Perform accountability inspections of -21 AME on aircraft | 44 |
| N912 Perform -21 AME downloads or uploads | 44 |
| N926 Replace portable oxygen bottles | 44 |
| D147 Maintain benchstock parts or equipment levels | 44 |
| N904 Inspect aircraft emergency equipment, such as first-aid kits | 44 |
| N909 Operationally check cargo loading winches | 44 |
| D152 Store equipment, tools, parts, or supplies | 44 |

TABLE 45
REPRESENTATIVE TASKS PERFORMED BY AFRC 2A531B PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=20) |
|--|--|
| E297 Perform foreign object damage (FOD) walks | 100 |
| E307 Position fire extinguishers | 90 |
| E261 Open or close engine cowlings, panels, or doors | 85 |
| E179 Connect or disconnect external electrical aircraft power | 85 |
| E227 Inspect portable fire extinguishers | 85 |
| E257 Lubricate aircraft components | 80 |
| E194 Inspect aircraft shock struts | 80 |
| F425 Inspect aircraft wheel and tire assemblies | 80 |
| E251 Launch or recover aircraft | 80 |
| E175 Clean aircraft windshields | 80 |
| F451 Inspect landing gear struts | 80 |
| E250 Jack or level aircraft | 80 |
| K792 Inspect internal aircraft lights, other than emergency lights | 80 |
| E304 Perform wing or tail walker procedures during aircraft towing | 75 |
| E264 Operate aircraft interphones | 75 |
| E195 Inspect aircraft windows or windshields | 75 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 75 |
| K789 Inspect external aircraft lights | 75 |
| E389 Service aircraft tires | 75 |
| K786 Inspect aircraft battery vent systems | 75 |
| E314 Remove or install access doors, hatches, or panels | 70 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 70 |
| E176 Clean interior of aircraft | 70 |
| M891 Perform preuse inspections of powered AGE | 70 |
| E260 Moor aircraft | 70 |
| F455 Inspect main landing gear jack screws | 70 |
| E291 Operationally check troop doors | 70 |
| E387 Service aircraft LOX systems | 70 |
| K805 Remove or install aircraft batteries | 70 |
| E262 Open or close radomes | 65 |
| E188 Inspect access doors, hatches, or panels | 65 |
| E190 Inspect aircraft for corrosion | 65 |
| E193 Inspect aircraft mooring attachment points | 65 |
| E204 Inspect cargo door or ramp mechanical components | 65 |
| E206 Inspect cargo ramp seals | 65 |
| E229 Inspect pressure seals, such as crew door, ramp, or visor seals | 65 |
| K785 Inspect aircraft batteries or aircraft battery components | 65 |
| K790 Inspect external power receptacles | 65 |
| F457 Lubricate main landing gear jack screws | 65 |
| E230 Inspect radomes | 65 |
| E386 Service aircraft hydraulic systems | 65 |
| L835 Inspect engine cowling, panel, or door latches | 65 |
| E218 Inspect ladder systems, such as entry, flight station, or troop compartment | 65 |

DAFSC 2A531C. The 16 airmen in the DAFSC 2A531C represent 1 percent of the AFRC duty sample and 32 percent of AFRC 3-skill level airmen. The AFRC 2A531C personnel report maintaining the C-5, EC-135, and C-141 aircraft.

The paygrades for these incumbents are E-5 (63 percent) and E-4 (37 percent). All the reservists in this group are stationed in CONUS. These individuals primarily work on the flightline or inspection dock, and are found in the Crew Chief Cluster. The average number of tasks performed by *all* AFRC C-shred airmen is approximately the same as their active duty counterparts (160 and 158, respectively). Typical tasks performed by members of this group are displayed on Table 46.

Skill-Level Descriptions
(AFRC - DAFSC 2A551J/K/L)

DAFSC 2A551X. The 896 AFRC airmen holding the 5-skill level constitute 56 percent of the AFRC survey sample. Eighty-two percent of this large group are in the DAFSC 2A551J and 18 percent in the DAFSC 2A551L. Sixty-three percent of the 5-skill level AFRC personnel are E-5, while 25 percent hold the rank of E-6. Most of these 5-skill level members work in the Crew Chief Cluster (64 percent), with an additional 10 percent working in Aero Repair Cluster (see Table 8).

Forty-two percent of AFRC 5-skill level incumbents' relative job time is spent in Duty E, Performing General Airframe and Aircraft Maintenance, and 12 percent in Duty F, Maintaining Landing Gear Systems. Seven percent of their job time is spent in Duty H, Performing General Airframe and Aircraft Maintenance. In comparison to their active duty counterpart, AFRC personnel spend more job time on technical duties than do active duty personnel (see Table 12).

As expected, 5-skill level personnel spend more relative job time on supervisory duties than do 3-skill level personnel (see Table 12). Table 47 lists representative tasks performed by AFRC 5-skill level members (DAFSC 2A551J and 2A551L). Tasks that best differentiate AFRC 5-skill level personnel from their 3-skill level counterparts are listed in Table 48 (DAFSC 2A531X versus 2A551X, respectively).

DAFSC 2A551J. The 735 airmen in the AFRC 2A551J DAFSC represent 46 percent of the total AFRC sample and 82 percent of all AFRC 5-skill level airmen. The predominate paygrades are E-5 (65 percent) and E-6 (24 percent). They primarily are found in the Crew Chief Cluster (62 percent). Forty-two percent of their job time is spent in Duty E, Performing General Airframe and Aircraft Maintenance, and 12 percent in Duty F, Maintaining Landing Gear Systems (see Table 12). In comparison to their active duty counterpart, this reservist group reports a greater number of tasks performed; 219 versus 182. Table 49 lists representative tasks performed by these airmen.

TABLE 46
REPRESENTATIVE TASKS PERFORMED BY AFRC 2A531C PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=16) |
|---|--|
| E297 Perform foreign object damage (FOD) walks | 88 |
| E194 Inspect aircraft shock struts | 88 |
| E190 Inspect aircraft for corrosion | 88 |
| E304 Perform wing or tail walker procedures during aircraft towing | 81 |
| M890 Perform preuse inspections of nonpowered AGE | 81 |
| E179 Connect or disconnect external electrical aircraft power | 81 |
| E394 Service engines with oil | 81 |
| E176 Clean interior of aircraft | 81 |
| F425 Inspect aircraft wheel and tire assemblies | 81 |
| E227 Inspect portable fire extinguishers | 81 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 75 |
| E261 Open or close engine cowlings, panels, or doors | 75 |
| E251 Launch or recover aircraft | 75 |
| E257 Lubricate aircraft components | 75 |
| E389 Service aircraft tires | 75 |
| F451 Inspect landing gear struts | 75 |
| F457 Lubricate main landing gear jack screws | 75 |
| K785 Inspect aircraft batteries or aircraft battery components | 75 |
| D145 Inventory equipment, tools, parts, or supplies | 69 |
| E387 Service aircraft LOX systems | 69 |
| E388 Service aircraft nitrogen systems | 69 |
| M891 Perform preuse inspections of powered AGE | 69 |
| E264 Operate aircraft interphones | 69 |
| E307 Position fire extinguishers | 69 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 69 |
| K792 Inspect internal aircraft lights, other than emergency lights | 69 |
| K796 Operationally check aircraft batteries | 69 |
| K789 Inspect external aircraft lights | 69 |
| E386 Service aircraft hydraulic systems | 69 |
| J778 Transfer fuel within aircraft | 69 |
| L835 Inspect engine cowling, panel, or door latches | 69 |
| E188 Inspect access doors, hatches, or panels | 69 |
| E203 Inspect cargo compartment pressure doors | 69 |
| E195 Inspect aircraft windows or windshields | 69 |
| K790 Inspect external power receptacles | 69 |
| O932 Clear Red-Diagonal conditions | 69 |
| L844 Inspect engine nacelles | 69 |
| F427 Inspect antiskid system components, such as wheel-speed sensors | 69 |
| F426 Inspect aircraft wheel bearings | 69 |
| F455 Inspect main landing gear jack screws | 69 |
| F452 Inspect landing gear trucks, torque struts, or bogies | 69 |
| F435 Inspect landing gear door mechanisms | 69 |
| K805 Remove or install aircraft batteries | 69 |
| E294 Perform aircraft fueling or defueling | 63 |
| K799 Operationally check external aircraft lighting system components | 63 |

TABLE 47
REPRESENTATIVE TASKS PERFORMED BY AFRC 2A551X PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=896) |
|--|---|
| E179 Connect or disconnect external electrical aircraft power | 91 |
| E297 Perform foreign object damage (FOD) walks | 88 |
| E264 Operate aircraft interphones | 83 |
| E304 Perform wing or tail walker procedures during aircraft towing | 82 |
| E389 Service aircraft tires | 81 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 79 |
| E257 Lubricate aircraft components | 79 |
| E261 Open or close engine cowlings, panels, or doors | 79 |
| E188 Inspect access doors, hatches, or panels | 78 |
| E194 Inspect aircraft shock struts | 78 |
| E251 Launch or recover aircraft | 77 |
| E294 Perform aircraft fueling or defueling | 77 |
| E190 Inspect aircraft for corrosion | 77 |
| F425 Inspect aircraft wheel and tire assemblies | 77 |
| E307 Position fire extinguishers | 77 |
| E250 Jack or level aircraft | 77 |
| F451 Inspect landing gear struts | 74 |
| E175 Clean aircraft windshields | 73 |
| E195 Inspect aircraft windows or windshields | 72 |
| E394 Service engines with oil | 72 |
| E204 Inspect cargo door or ramp mechanical components | 72 |
| K789 Inspect external aircraft lights | 72 |
| E227 Inspect portable fire extinguishers | 70 |
| E176 Clean interior of aircraft | 69 |
| E295 Perform brake rider procedures during aircraft towing | 68 |
| F435 Inspect landing gear door mechanisms | 68 |
| O932 Clear Red-Diagonal conditions | 67 |
| E386 Service aircraft hydraulic systems | 67 |
| K790 Inspect external power receptacles | 67 |
| F436 Inspect landing gear down-lock mechanisms | 67 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 66 |
| O931 Clear Red-Dash conditions | 65 |
| K792 Inspect internal aircraft lights, other than emergency lights | 65 |
| E210 Inspect crew door systems | 65 |
| E275 Operationally check cargo doors or ramps | 64 |
| E265 Operate aircraft radios | 64 |
| H610 Inspect ailerons | 63 |
| E387 Service aircraft LOX systems | 62 |
| E203 Inspect cargo compartment pressure doors | 62 |
| F430 Inspect brake system components | 62 |
| L835 Inspect engine cowling, panel, or door latches | 62 |
| J759 Inspect aircraft for fuel leaks | 62 |
| E218 Inspect ladder systems, such as entry, flight station, or troop compartment | 62 |
| J778 Transfer fuel within aircraft | 62 |
| F452 Inspect landing gear trucks, torque struts, or bogies | 61 |

TABLE 48

TASKS WHICH BEST DIFFERENTIATE BETWEEN AFRC DAFSC 2A531X AND 2A551X PERSONNEL.

| TASKS | DAFSC 2A531X (N=50) | DAFSC 2A551X (N=896) | DAFSC 2A551X (N=896) | DIFFERENCE |
|-------|--|----------------------------|----------------------------|------------|
| | DAFSC 2A531X (N=50) | DAFSC 2A551X (N=896) | DAFSC 2A551X (N=896) | DIFFERENCE |
| L844 | Inspect engine nacelles | 62 | 46 | 16 |
| K786 | Inspect aircraft battery vent systems | 48 | 34 | 14 |
| L850 | Inspect propellers, brush-blocks, or related components | 24 | 11 | 13 |
| E267 | Operate landing gear or wheel well doors | 30 | 52 | -22 |
| F479 | Remove or install landing gear doors | 22 | 44 | -22 |
| A7 | Conduct self-inspections or self-assessments | 12 | 35 | -23 |
| E155 | Adjust cargo compartment pressure door latching mechanisms or linkages | 18 | 41 | -23 |
| E365 | Remove or install radomes | 14 | 37 | -23 |
| F502 | Troubleshoot brake systems | 4 | 28 | -24 |
| E169 | Adjust sliding or swinging window latching mechanisms or linkages | 14 | 38 | -24 |
| F478 | Remove or install landing gear door system components | 10 | 34 | -24 |
| E165 | Adjust liferaft door release latching mechanisms or linkages | 12 | 36 | -24 |
| B88 | Counsel trainees on training progress | 4 | 29 | -25 |
| A27 | Direct aircraft refueling or defueling operations | 28 | 54 | -26 |
| B101 | Maintain training records or files | 14 | 40 | -26 |
| H633 | Operationally check elevator systems | 24 | 50 | -26 |
| E403 | Troubleshoot cargo door systems | 18 | 45 | -27 |
| H631 | Operationally check aileron systems | 26 | 53 | -27 |
| A26 | Direct aircraft jacking operations | 8 | 35 | -27 |
| E162 | Adjust escape hatches for fit and pressurization | 12 | 40 | -28 |
| E404 | Troubleshoot cargo ramp systems | 12 | 41 | -29 |
| H638 | Operationally check rudder systems | 22 | 51 | -29 |
| A76 | Supervise military personnel | 4 | 34 | -30 |
| B86 | Conduct OJT | 8 | 45 | -37 |

TABLE 49
REPRESENTATIVE TASKS PERFORMED BY AFRC 2A551J PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=735) |
|--|---|
| E179 Connect or disconnect external electrical aircraft power | 90 |
| E297 Perform foreign object damage (FOD) walks | 88 |
| E264 Operate aircraft interphones | 83 |
| E304 Perform wing or tail walker procedures during aircraft towing | 81 |
| E389 Service aircraft tires | 80 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 79 |
| E257 Lubricate aircraft components | 79 |
| E250 Jack or level aircraft | 79 |
| E261 Open or close engine cowlings, panels, or doors | 78 |
| E204 Inspect cargo door or ramp mechanical components | 78 |
| E188 Inspect access doors, hatches, or panels | 77 |
| E294 Perform aircraft fueling or defueling | 76 |
| E190 Inspect aircraft for corrosion | 76 |
| E251 Launch or recover aircraft | 76 |
| F425 Inspect aircraft wheel and tire assemblies | 76 |
| E194 Inspect aircraft shock struts | 76 |
| E307 Position fire extinguishers | 76 |
| F451 Inspect landing gear struts | 73 |
| E387 Service aircraft LOX systems | 71 |
| E394 Service engines with oil | 71 |
| E175 Clean aircraft windshields | 71 |
| E227 Inspect portable fire extinguishers | 70 |
| E195 Inspect aircraft windows or windshields | 70 |
| K789 Inspect external aircraft lights | 70 |
| E275 Operationally check cargo doors or ramps | 70 |
| F435 Inspect landing gear door mechanisms | 69 |
| O932 Clear Red-Diagonal conditions | 68 |
| E206 Inspect cargo ramp seals | 68 |
| E176 Clean interior of aircraft | 67 |
| E386 Service aircraft hydraulic systems | 67 |
| E210 Inspect crew door systems | 67 |
| E295 Perform brake rider procedures during aircraft towing | 66 |
| K790 Inspect external power receptacles | 66 |
| O931 Clear Red-Dash conditions | 65 |
| E203 Inspect cargo compartment pressure doors | 65 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 65 |
| E265 Operate aircraft radios | 65 |
| F436 Inspect landing gear down-lock mechanisms | 65 |
| K792 Inspect internal aircraft lights, other than emergency lights | 64 |
| E218 Inspect ladder systems, such as entry, flight station, or troop compartment | 63 |
| H610 Inspect ailerons | 62 |
| F450 Inspect landing gear structural components | 61 |
| F452 Inspect landing gear trucks, torque struts, or bogies | 61 |
| F430 Inspect brake system components | 61 |
| E229 Inspect pressure seals, such as crew door, ramp, or visor seals | 61 |

DAFSC 2A551L. The 161 airmen in the DAFSC 2A551L represent 10 percent of the AFRC sample and 18 percent of AFRC 5-skill level airmen. The predominate paygrades are E-5 (53 percent) and E-6 (32 percent). As with the other Aerospace Maintenance shreds, the primary job cluster for the L-shred is the Crew Chief Cluster (71 percent) with very small percentages distributed throughout the other jobs.

Also, like the other shreds, these airmen spent the majority of their relative job time in Duty E, Performing General Airframe and Aircraft Maintenance (42 percent) and Duty F, Maintaining Landing Gear Systems (11 percent) (see Table 12). The average number of tasks performed by all the AFRC 2A551L DAFSC is 197 tasks. See Table 50 for representative tasks performed by these airmen.

Skill-Level Descriptions
(AFRC - DAFSCs 2A571 and 2A590)

DAFSC 2A571. The 651 airmen in the 7-skill level group represent 41 percent of the AFRC survey sample. The predominate paygrades for this group are E-6 (51 percent) and E-7 (36 percent).

Unlike their junior counterparts at the 3- and 5-skill levels, higher percentages of these personnel are found in technical as well as supervisory jobs. Unlike their active duty counterparts, a larger percentage of AFRC 7-skill level airmen work in the Crew Chief Cluster (27 versus 55 percent, respectively) (see Tables 7 and 8).

Thirty-one percent of their job time is spent in Duty E, Performing General Airframe and Aircraft Maintenance, and 16 percent in Duty A, Performing Management and Supervisory Activities (see Table 12). The average number of tasks performed by AFRC 7-skill level members is 225. See Table 51 for representative tasks performed by 7-skill level AFRC personnel. The managerial role that 7-skill level personnel perform is the main distinguishing feature between them and the 5-skill level personnel, as shown by figures in Table 52.

Skill-Level Descriptions
(ANG - DAFSC 2A551J/K/L)

DAFSC 2A551X. The 565 ANG airmen holding the 5-skill level constitute 60 percent of the ANG survey sample. This group is composed of 3 shreds: 2A551J DAFSC (49 percent), 2A551K DAFSC (7 percent) and 2A551L DAFSC (44 percent). The primary paygrades for these guardsmen are E-4 (23 percent), E-5 (55 percent) and E-6 (18 percent).

TABLE 50
REPRESENTATIVE TASKS PERFORMED BY AFRC 2A551L PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=161) |
|---|---|
| E179 Connect or disconnect external electrical aircraft power | 92 |
| E297 Perform foreign object damage (FOD) walks | 91 |
| E304 Perform wing or tail walker procedures during aircraft towing | 91 |
| E194 Inspect aircraft shock struts | 86 |
| E264 Operate aircraft interphones | 86 |
| E389 Service aircraft tires | 86 |
| E261 Open or close engine cowlings, panels, or doors | 86 |
| F425 Inspect aircraft wheel and tire assemblies | 85 |
| E188 Inspect access doors, hatches, or panels | 83 |
| E175 Clean aircraft windshields | 83 |
| E251 Launch or recover aircraft | 82 |
| E195 Inspect aircraft windows or windshields | 81 |
| E307 Position fire extinguishers | 81 |
| E190 Inspect aircraft for corrosion | 81 |
| E294 Perform aircraft fueling or defueling | 80 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 78 |
| E176 Clean interior of aircraft | 78 |
| E257 Lubricate aircraft components | 78 |
| K789 Inspect external aircraft lights | 78 |
| E394 Service engines with oil | 78 |
| E295 Perform brake rider procedures during aircraft towing | 76 |
| F451 Inspect landing gear struts | 76 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 73 |
| E267 Operate landing gear or wheel well doors | 73 |
| K792 Inspect internal aircraft lights, other than emergency lights | 73 |
| J759 Inspect aircraft for fuel leaks | 72 |
| L835 Inspect engine cowling, panel, or door latches | 72 |
| F436 Inspect landing gear down-lock mechanisms | 72 |
| E227 Inspect portable fire extinguishers | 71 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 71 |
| J778 Transfer fuel within aircraft | 71 |
| M891 Perform preuse inspections of powered AGE | 70 |
| E250 Jack or level aircraft | 70 |
| K790 Inspect external power receptacles | 70 |
| E386 Service aircraft hydraulic systems | 70 |
| L836 Inspect engine cowlings, panels, or doors | 69 |
| E396 Service gaseous oxygen systems | 69 |
| M890 Perform preuse inspections of nonpowered AGE | 68 |
| I738 Service aircraft accumulators | 68 |
| K805 Remove or install aircraft batteries | 68 |
| F430 Inspect brake system components | 67 |
| G540 Inspect portable oxygen bottles | 67 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 66 |
| O932 Clear Red-Diagonal conditions | 66 |
| H610 Inspect ailerons | 66 |

TABLE 51
REPRESENTATIVE TASKS PERFORMED BY AFRC 2A571 PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=651) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 79 |
| E179 Connect or disconnect external electrical aircraft power | 76 |
| E304 Perform wing or tail walker procedures during aircraft towing | 73 |
| E264 Operate aircraft interphones | 71 |
| O932 Clear Red-Diagonal conditions | 70 |
| O931 Clear Red-Dash conditions | 70 |
| E251 Launch or recover aircraft | 69 |
| E389 Service aircraft tires | 69 |
| E261 Open or close engine cowlings, panels, or doors | 69 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 68 |
| E294 Perform aircraft fueling or defueling | 68 |
| E194 Inspect aircraft shock struts | 68 |
| E307 Position fire extinguishers | 68 |
| F425 Inspect aircraft wheel and tire assemblies | 68 |
| E188 Inspect access doors, hatches, or panels | 67 |
| E257 Lubricate aircraft components | 67 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 66 |
| E250 Jack or level aircraft | 66 |
| E190 Inspect aircraft for corrosion | 65 |
| E195 Inspect aircraft windows or windshields | 65 |
| F451 Inspect landing gear struts | 65 |
| E295 Perform brake rider procedures during aircraft towing | 64 |
| A76 Supervise military personnel | 63 |
| A27 Direct aircraft refueling or defueling operations | 63 |
| E394 Service engines with oil | 63 |
| E302 Perform tow supervisor procedures during aircraft towing | 62 |
| E204 Inspect cargo door or ramp mechanical components | 62 |
| K789 Inspect external aircraft lights | 62 |
| E227 Inspect portable fire extinguishers | 61 |
| E175 Clean aircraft windshields | 61 |
| E210 Inspect crew door systems | 61 |
| F435 Inspect landing gear door mechanisms | 60 |
| E265 Operate aircraft radios | 60 |
| F436 Inspect landing gear down-lock mechanisms | 60 |
| E176 Clean interior of aircraft | 59 |
| E386 Service aircraft hydraulic systems | 59 |
| K790 Inspect external power receptacles | 59 |
| H610 Inspect ailerons | 59 |
| H614 Inspect elevators | 59 |
| A6 Conduct safety inspections of equipment or facilities | 58 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 58 |
| L835 Inspect engine cowling, panel, or door latches | 58 |
| B86 Conduct OJT | 57 |
| K792 Inspect internal aircraft lights, other than emergency lights | 57 |
| F430 Inspect brake system components | 57 |

TABLE 52

TASKS WHICH BEST DIFFERENTIATE BETWEEN AFRC DUTY DAFSC 2A551X AND 2A571 PERSONNEL

| TASKS | DAFSC 2A551X (N=896) | DAFSC 2A571 (N=651) | DIFFERENCE |
|--|----------------------------|---------------------------|------------|
| | DAFSC 2A551X (N=896) | DAFSC 2A571 (N=651) | DIFFERENCE |
| E179 Connect or disconnect external electrical aircraft power | 91 | 15 | 15 |
| E387 Service aircraft LOX systems | 62 | 48 | 14 |
| A76 Supervise military personnel | 34 | 63 | -29 |
| A17 Determine or establish work assignments or priorities | 29 | 56 | -27 |
| A2 Assign personnel to work areas or duty positions, other than mobility positions | 22 | 47 | -25 |
| O933 Clear Red-X conditions | 31 | 55 | -25 |
| A14 Counsel subordinates concerning personal matters | 21 | 45 | -24 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 23 | 46 | -23 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 17 | 39 | -22 |
| A52 Evaluate personnel for promotion, demotion, reclassification, or special awards | 10 | 32 | -22 |
| A60 Inspect personnel for compliance with military standards | 22 | 44 | -22 |
| A69 Plan or schedule work assignments or priorities | 17 | 39 | -22 |
| B97 Evaluate progress of trainees | 26 | 47 | -22 |
| A9 Conduct supervisory orientations for newly assigned personnel | 14 | 34 | -20 |
| A10 Conduct supervisory performance feedback sessions | 13 | 33 | -20 |
| A21 Develop or establish work schedules | 14 | 34 | -20 |
| A61 Interpret policies, directives, or procedures for subordinates | 13 | 33 | -20 |
| B88 Counsel trainees on training progress | 29 | 49 | -20 |
| A78 Write performance reports or supervisory appraisals | 9 | 28 | -19 |

Only 18 percent of these members report they supervise. These airmen primarily work in the Crew Chief Cluster (72 percent) (see Table 9) and like their active duty and reservist counterparts, these guardsmen primarily work on the flight line. Their job titles are associated with their crew chief position and include Aircraft Crew Chief, Assistant Crew Chief, Dedicated Crew Chief, Flying Crew Chief, Flight Chief, and Ground Crew Chief.

These guardsmen spend 42 percent of job time in Duty E, Performing General Airframe and Aircraft Maintenance and 11 percent in Duty F, Maintaining Landing Gear Systems. Eight percent of their relative job time is spent in Duty H, Performing General Airframe and Aircraft Maintenance. Guardsmen spend more job time on technical duties than do their active duty or reservist counterparts. These guardsmen perform an average of 214 tasks, similar to their reservist counterpart (219 tasks), yet more than their active duty counterparts (182 tasks). Table 53 displays the representative tasks performed by this group.

DAFSC 2A551J. The 275 airmen in the ANG DAFSC 2A551J represent 29 percent of the total ANG sample. This group makes up 8 percent of all 5-skill levels in the survey and 49 percent of all ANG 5-skill level airmen. The predominate paygrades are E-4 (25 percent) and E-5 (57 percent).

They work primarily in the Crew Chief Cluster (70 percent). Their predominate job titles are Assistant Crew Chief, Isochronal or Phase Inspector, Aircraft Crew Chief, and Flight Line Crew Chief. Twelve percent of these guardsmen report having a direct supervisory position. This 5-skill level group performs the largest number of tasks (227) for any 5-skill level group in the survey. Table 54 lists representative tasks performed by these airmen.

DAFSC 2A551K. The 42 airmen in the 2A551K DAFSC represent 4 percent of the total ANG sample. This group makes up 7 percent of all ANG 5-skill level airmen. Fifty percent of the personnel in this group are in the E-6 paygrade. Only 6 percent of these airmen report that they supervise other personnel.

These guardsmen work primarily in the Crew Chief Cluster (74 percent) (see Table 9). In comparison to their active duty counterparts, these guardsmen spent a larger percentage of their relative job time on maintaining airframes, landing gears, flight control systems, electrical systems, general airframe and aircraft maintenance (see Tables 11 and 13). This group performs an average of 195 tasks, in comparison to 148 tasks performed by their active duty counterparts. Representative tasks for this group are displayed in Table 55.

DAFSC 2A551L. The 248 airmen in the 2A551L DAFSC represent 26 percent of the ANG sample and make 44 percent of ANG 5-skill level airmen. The predominate paygrades are E-4 (23 percent), E-5 (54 percent), and E-6 (18 percent).

TABLE 53
REPRESENTATIVE TASKS PERFORMED BY ANG 2A551X PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=565) |
|---|---|
| E179 Connect or disconnect external electrical aircraft power | 90 |
| E297 Perform foreign object damage (FOD) walks | 89 |
| E304 Perform wing or tail walker procedures during aircraft towing | 88 |
| E264 Operate aircraft interphones | 87 |
| E194 Inspect aircraft shock struts | 87 |
| E261 Open or close engine cowlings, panels, or doors | 86 |
| E389 Service aircraft tires | 86 |
| E251 Launch or recover aircraft | 85 |
| E257 Lubricate aircraft components | 85 |
| E294 Perform aircraft fueling or defueling | 83 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 82 |
| E307 Position fire extinguishers | 82 |
| E190 Inspect aircraft for corrosion | 82 |
| E175 Clean aircraft windshields | 82 |
| E188 Inspect access doors, hatches, or panels | 81 |
| F425 Inspect aircraft wheel and tire assemblies | 81 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 81 |
| E195 Inspect aircraft windows or windshields | 81 |
| E394 Service engines with oil | 79 |
| K789 Inspect external aircraft lights | 79 |
| E386 Service aircraft hydraulic systems | 79 |
| E295 Perform brake ridge procedures during aircraft towing | 78 |
| E176 Clean interior of aircraft | 77 |
| F451 Inspect landing gear struts | 77 |
| E250 Jack or level aircraft | 75 |
| M890 Perform preuse inspections of nonpowered AGE | 72 |
| E227 Inspect portable fire extinguishers | 72 |
| J759 Inspect aircraft for fuel leaks | 72 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 71 |
| K792 Inspect internal aircraft lights, other than emergency lights | 70 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 70 |
| L835 Inspect engine cowling, panel, or door latches | 70 |
| K790 Inspect external power receptacles | 70 |
| K805 Remove or install aircraft batteries | 70 |
| M891 Perform preuse inspections of powered AGE | 69 |
| O932 Clear Red-Diagonal conditions | 69 |
| H623 Inspect rudders | 69 |
| J778 Transfer fuel within aircraft | 69 |
| F436 Inspect landing gear down-lock mechanisms | 69 |
| H610 Inspect ailerons | 68 |
| L836 Inspect engine cowlings, panels, or doors | 67 |
| E267 Operate landing gear or wheel well doors | 66 |
| H614 Inspect elevators | 66 |
| F435 Inspect landing gear door mechanisms | 66 |
| O931 Clear Red-Dash conditions | 65 |

TABLE 54
REPRESENTATIVE TASKS PERFORMED BY ANG 2A551J PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=275) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 89 |
| E179 Connect or disconnect external electrical aircraft power | 88 |
| E264 Operate aircraft interphones | 86 |
| E261 Open or close engine cowlings, panels, or doors | 85 |
| E304 Perform wing or tail walker procedures during aircraft towing | 85 |
| E194 Inspect aircraft shock struts | 85 |
| E257 Lubricate aircraft components | 84 |
| E389 Service aircraft tires | 84 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 83 |
| E251 Launch or recover aircraft | 83 |
| E190 Inspect aircraft for corrosion | 82 |
| E188 Inspect access doors, hatches, or panels | 81 |
| E294 Perform aircraft fueling or defueling | 81 |
| F425 Inspect aircraft wheel and tire assemblies | 81 |
| E250 Jack or level aircraft | 81 |
| E204 Inspect cargo door or ramp mechanical components | 81 |
| E387 Service aircraft LOX systems | 80 |
| E307 Position fire extinguishers | 79 |
| E195 Inspect aircraft windows or windshields | 79 |
| E176 Clean interior of aircraft | 78 |
| E175 Clean aircraft windshields | 78 |
| K789 Inspect external aircraft lights | 78 |
| F451 Inspect landing gear struts | 77 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 76 |
| E394 Service engines with oil | 76 |
| E386 Service aircraft hydraulic systems | 76 |
| K792 Inspect internal aircraft lights, other than emergency lights | 73 |
| M890 Perform preuse inspections of nonpowered AGE | 72 |
| E227 Inspect portable fire extinguishers | 72 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 72 |
| K790 Inspect external power receptacles | 72 |
| E275 Operationally check cargo doors or ramps | 72 |
| F435 Inspect landing gear door mechanisms | 72 |
| H614 Inspect elevators | 72 |
| E295 Perform brake rider procedures during aircraft towing | 71 |
| E210 Inspect crew door systems | 71 |
| H610 Inspect ailerons | 71 |
| M891 Perform preuse inspections of powered AGE | 70 |
| O932 Clear Red-Diagonal conditions | 70 |
| F450 Inspect landing gear structural components | 70 |
| H623 Inspect rudders | 70 |
| J759 Inspect aircraft for fuel leaks | 69 |
| K805 Remove or install aircraft batteries | 69 |
| F457 Lubricate main landing gear jack screws | 68 |

TABLE 55
REPRESENTATIVE TASKS PERFORMED BY ANG 2A551K PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=42) |
|---|--|
| E179 Connect or disconnect external electrical aircraft power | 90 |
| E194 Inspect aircraft shock struts | 90 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 88 |
| E304 Perform wing or tail walker procedures during aircraft towing | 88 |
| E257 Lubricate aircraft components | 88 |
| E224 Inspect overwing fairings | 86 |
| E264 Operate aircraft interphones | 86 |
| E245 Inspect weapons bay doors | 86 |
| E297 Perform foreign object damage (FOD) walks | 86 |
| E294 Perform aircraft fueling or defueling | 83 |
| E188 Inspect access doors, hatches, or panels | 83 |
| E295 Perform brake rider procedures during aircraft towing | 81 |
| E307 Position fire extinguishers | 81 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 81 |
| F451 Inspect landing gear struts | 81 |
| E386 Service aircraft hydraulic systems | 81 |
| E189 Inspect accessory drive gearboxes (ADGs) | 81 |
| E220 Inspect magnetic chip detectors | 81 |
| F436 Inspect landing gear down-lock mechanisms | 81 |
| F425 Inspect aircraft wheel and tire assemblies | 79 |
| E261 Open or close engine cowlings, panels, or doors | 79 |
| E251 Launch or recover aircraft | 79 |
| E199 Inspect antennas | 79 |
| E388 Service aircraft nitrogen systems | 79 |
| E269 Operate weapons bay doors | 79 |
| E195 Inspect aircraft windows or windshields | 76 |
| E394 Service engines with oil | 76 |
| E225 Inspect permanently installed aircraft fire extinguishers | 76 |
| J778 Transfer fuel within aircraft | 76 |
| O932 Clear Red-Diagonal conditions | 76 |
| O931 Clear Red-Dash conditions | 76 |
| E266 Operate centralized aircraft support systems (CASSs) | 76 |
| H623 Inspect rudders | 76 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 76 |
| E369 Remove or install safety devices, such as seat pins or gear locks | 74 |
| J759 Inspect aircraft for fuel leaks | 74 |
| K804 Perform CITS ground readiness tests (GRTs) | 74 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 74 |
| E175 Clean aircraft windshields | 74 |
| E267 Operate landing gear or wheel well doors | 74 |
| K789 Inspect external aircraft lights | 74 |
| E218 Inspect ladder systems, such as entry, flight station, or troop compartment | 74 |
| E180 Connect or disconnect hydraulic test stands to or from aircraft | 74 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 74 |
| E190 Inspect aircraft for corrosion | 71 |

As with the other Aerospace Maintenance shreds, the primary job cluster for this group is the Crew Chief Cluster (73 percent) (see Table 9). These guardsmen work primarily on the flight line (63 percent) with an additional 26 percent working on the inspection dock. Eighty-five percent of these guardsmen report that they do not supervise. This group has the largest percentage of guardsmen stationed outside of CONUS (12 percent).

Like the other shreds, these airmen spent the majority of their job time in Duty E, Performing General Airframe and Aircraft Maintenance (42 percent) and Duty F, Maintaining Landing Gear Systems (10 percent) (see Table 13). The average number of tasks performed by all the AFRC 2A551L DAFSC is 204 tasks. See Table 56 for representative tasks performed by these airmen.

Skill-Level Descriptions
(ANG - DAFSCs 2A571 and 2A590)

DAFSC 2A571. The 372 airmen in the 7-skill level group represent 39 percent of the ANG sample and the predominate paygrade is E-6 (56 percent). Unlike their junior counterparts at the 3- and 5-skill levels, higher percentages of these personnel are performing supervisory, as well as technical tasks. A larger percent of 7-skill level guardsmen work in the Crew Chief Cluster than the other 2 components (i.e., active duty 27 percent, AFRC 55 percent, and ANG 64 percent) (see Tables 7, 8 and 9)

The average number of tasks performed by all ANG 7-skill level members is 267. See Table 57 for representative tasks performed by 7-skill level ANG personnel. The managerial role these 7-skill level members perform is the main distinguishing feature between them and the 5-skill level personnel. Table 58 displays those tasks that best differentiate between the 5- and 7-skill level DAFSC.

DAFSC 2A590. Only five incumbents make up the ANG 9-skill level group. This group constitutes less than 1 percent of the total ANG survey sample. Three of these airmen work in the QA Evaluator Job, with the additional two working in the Supervisor Cluster. ANG representative tasks for this small group are displayed in Table 59. Table 60 displays those tasks that best differentiate between the 7- and 9-skill level DAFSCs.

Summary

Distinctions between ANG skill-level groups are evident, with personnel at the 3- and 5-skill levels spending the vast majority of their job time performing technical tasks across a number of different jobs. At the 7-skill level, the shift towards supervisory tasks becomes quite clear. Active duty members report performing more managerial tasks and tasks pertaining to aircraft systems repair. Guardsmen and reservists reported performing more aircraft ground handling or servicing tasks than active duty personnel. Table 61 compares representative tasks performed by active duty personnel to representative tasks performed by AFRC personnel. Table 62 compares

TABLE 56
REPRESENTATIVE TASKS PERFORMED BY ANG 2A551L PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=248) |
|---|---|
| E179 Connect or disconnect external electrical aircraft power | 92 |
| E304 Perform wing or tail walker procedures during aircraft towing | 91 |
| E261 Open or close engine cowlings, panels, or doors | 90 |
| E389 Service aircraft tires | 90 |
| E297 Perform foreign object damage (FOD) walks | 90 |
| E175 Clean aircraft windshields | 89 |
| E251 Launch or recover aircraft | 88 |
| E194 Inspect aircraft shock struts | 88 |
| E264 Operate aircraft interphones | 87 |
| E257 Lubricate aircraft components | 86 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 86 |
| E294 Perform aircraft fueling or defueling | 85 |
| E307 Position fire extinguishers | 85 |
| E190 Inspect aircraft for corrosion | 84 |
| E394 Service engines with oil | 84 |
| E295 Perform brake rider procedures during aircraft towing | 84 |
| E195 Inspect aircraft windows or windshields | 84 |
| E386 Service aircraft hydraulic systems | 83 |
| E188 Inspect access doors, hatches, or panels | 81 |
| F425 Inspect aircraft wheel and tire assemblies | 81 |
| K789 Inspect external aircraft lights | 81 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 80 |
| E176 Clean interior of aircraft | 80 |
| E205 Inspect cargo loading struts or tail stands | 80 |
| E396 Service gaseous oxygen systems | 77 |
| E391 Service crew or passenger comfort facilities, such as latrines or galleys | 76 |
| F451 Inspect landing gear struts | 76 |
| E227 Inspect portable fire extinguishers | 75 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 74 |
| J759 Inspect aircraft for fuel leaks | 74 |
| L835 Inspect engine cowling, panel, or door latches | 74 |
| E267 Operate landing gear or wheel well doors | 73 |
| M890 Perform preuse inspections of nonpowered AGE | 73 |
| K805 Remove or install aircraft batteries | 73 |
| L836 Inspect engine cowlings, panels, or doors | 72 |
| E250 Jack or level aircraft | 72 |
| E330 Remove or install cargo loading struts or tail stands | 71 |
| E303 Perform tow vehicle operator procedures during aircraft towing | 71 |
| J778 Transfer fuel within aircraft | 71 |
| I738 Service aircraft accumulators | 70 |
| M891 Perform preuse inspections of powered AGE | 69 |
| H610 Inspect ailerons | 69 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 68 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 68 |
| K790 Inspect external power receptacles | 68 |
| F436 Inspect landing gear down-lock mechanisms | 68 |

TABLE 57
REPRESENTATIVE TASKS PERFORMED BY ANG 2A571 PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=372) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 84 |
| E264 Operate aircraft interphones | 79 |
| E304 Perform wing or tail walker procedures during aircraft towing | 78 |
| E179 Connect or disconnect external electrical aircraft power | 77 |
| O932 Clear Red-Diagonal conditions | 76 |
| E261 Open or close engine cowlings, panels, or doors | 76 |
| O931 Clear Red-Dash conditions | 75 |
| E257 Lubricate aircraft components | 75 |
| E389 Service aircraft tires | 75 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 74 |
| E251 Launch or recover aircraft | 74 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 74 |
| E188 Inspect access doors, hatches, or panels | 74 |
| E190 Inspect aircraft for corrosion | 74 |
| F425 Inspect aircraft wheel and tire assemblies | 74 |
| E250 Jack or level aircraft | 74 |
| E194 Inspect aircraft shock struts | 73 |
| E295 Perform brake rider procedures during aircraft towing | 73 |
| E307 Position fire extinguishers | 72 |
| F451 Inspect landing gear struts | 72 |
| E294 Perform aircraft fueling or defueling | 71 |
| E195 Inspect aircraft windows or windshields | 71 |
| E386 Service aircraft hydraulic systems | 71 |
| E175 Clean aircraft windshields | 70 |
| E302 Perform tow supervisor procedures during aircraft towing | 70 |
| K789 Inspect external aircraft lights | 70 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 69 |
| F435 Inspect landing gear door mechanisms | 69 |
| A27 Direct aircraft refueling or defueling operations | 68 |
| F436 Inspect landing gear down-lock mechanisms | 68 |
| E181 Debrief aircrews | 67 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 67 |
| E303 Perform tow vehicle operator procedures during aircraft towing | 67 |
| J759 Inspect aircraft for fuel leaks | 67 |
| E394 Service engines with oil | 67 |
| B86 Conduct OJT | 66 |
| E267 Operate landing gear or wheel well doors | 66 |
| E227 Inspect portable fire extinguishers | 66 |
| F450 Inspect landing gear structural components | 66 |
| H623 Inspect rudders | 66 |
| H610 Inspect ailerons | 66 |
| H614 Inspect elevators | 66 |
| E176 Clean interior of aircraft | 65 |
| L835 Inspect engine cowling, panel, or door latches | 65 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 65 |

TABLE 58

TASKS WHICH BEST DIFFERENTIATE BETWEEN ANG DAFSC 2A551X AND 2A571 PERSONNEL

| TASKS | DAFSC 2A551X (N=565) | DAFSC 2A571 (N=372) | DIFFERENCE |
|---|----------------------------|---------------------------|------------|
| | | | |
| A56 Evaluate workload requirements | 6 | 26 | -19 |
| L854 Operationally check engines | 22 | 43 | -21 |
| C128 Maintain technical order libraries | 23 | 44 | -21 |
| C134 Review technical order changes | 27 | 48 | -21 |
| A40 Evaluate aircraft configuration changes | 17 | 38 | -22 |
| A21 Develop or establish work schedules | 9 | 30 | -22 |
| A52 Evaluate personnel for promotion, demotion, reclassification, or special awards | 7 | 29 | -22 |
| A11 Coordinate aircraft launch and recovery times with aircrews or appropriate agencies | 17 | 39 | -22 |
| A69 Plan or schedule work assignments or priorities | 13 | 35 | -22 |
| E181 Debrief aircrews | 44 | 67 | -23 |
| B89 Determine training requirements | 13 | 37 | -24 |
| A14 Counsel subordinates concerning personal matters | 15 | 38 | -24 |
| A2 Assign personnel to work areas or duty positions, other than mobility positions | 16 | 40 | -24 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 10 | 35 | -25 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 24 | 49 | -25 |
| A60 Inspect personnel for compliance with military standards | 13 | 38 | -25 |
| A26 Direct aircraft jacking operations | 27 | 53 | -25 |
| A12 Coordinate cannibalization of parts with appropriate agencies | 17 | 42 | -25 |
| A42 Evaluate in-process maintenance | 16 | 44 | -27 |
| B106 Schedule personnel for training | 12 | 40 | -28 |
| B86 Conduct OJT | 36 | 66 | -29 |
| B97 Evaluate progress of trainees | 19 | 49 | -30 |
| B96 Evaluate personnel to determine training needs | 14 | 44 | -30 |
| B103 Plan or schedule training | 16 | 47 | -31 |
| B101 Maintain training records or files | 28 | 59 | -31 |
| A29 Direct training functions | 19 | 52 | -33 |
| B88 Counsel trainees on training progress | 21 | 54 | -33 |
| A17 Determine or establish work assignments or priorities | 26 | 60 | -34 |
| O933 Clear Red-X conditions | 25 | 59 | -34 |
| A76 Supervise military personnel | 24 | 61 | -38 |

TABLE 59
REPRESENTATIVE TASKS PERFORMED BY ANG 2A590 PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=5) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 87 |
| E179 Connect or disconnect external electrical aircraft power | 85 |
| E304 Perform wing or tail walker procedures during aircraft towing | 84 |
| E264 Operate aircraft interphones | 83 |
| E261 Open or close engine cowlings, panels, or doors | 82 |
| E257 Lubricate aircraft components | 81 |
| E194 Inspect aircraft shock struts | 81 |
| E389 Service aircraft tires | 81 |
| E251 Launch or recover aircraft | 80 |
| E190 Inspect aircraft for corrosion | 79 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 78 |
| E294 Perform aircraft fueling or defueling | 78 |
| E188 Inspect access doors, hatches, or panels | 78 |
| E307 Position fire extinguishers | 78 |
| F425 Inspect aircraft wheel and tire assemblies | 78 |
| E175 Clean aircraft windshields | 77 |
| E195 Inspect aircraft windows or windshields | 77 |
| E295 Perform brake rider procedures during aircraft towing | 76 |
| E386 Service aircraft hydraulic systems | 76 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 75 |
| K789 Inspect external aircraft lights | 75 |
| F451 Inspect landing gear struts | 75 |
| E394 Service engines with oil | 74 |
| E250 Jack or level aircraft | 74 |
| E176 Clean interior of aircraft | 72 |
| O932 Clear Red-Diagonal conditions | 71 |
| E227 Inspect portable fire extinguishers | 70 |
| J759 Inspect aircraft for fuel leaks | 70 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 69 |
| O931 Clear Red-Dash conditions | 69 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 68 |
| M890 Perform preuse inspections of nonpowered AGE | 68 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 68 |
| L835 Inspect engine cowling, panel, or door latches | 68 |
| H623 Inspect rudders | 68 |
| F436 Inspect landing gear down-lock mechanisms | 68 |
| K792 Inspect internal aircraft lights, other than emergency lights | 67 |
| K790 Inspect external power receptacles | 67 |
| H610 Inspect ailerons | 67 |
| F435 Inspect landing gear door mechanisms | 67 |
| M891 Perform preuse inspections of powered AGE | 66 |
| E267 Operate landing gear or wheel well doors | 66 |
| L836 Inspect engine cowlings, panels, or doors | 66 |
| H614 Inspect elevators | 66 |
| J778 Transfer fuel within aircraft | 66 |
| K805 Remove or install aircraft batteries | 66 |

TABLE 60

TASKS WHICH BEST DIFFERENTIATE BETWEEN ANG DAFSC 2A571 AND 2A590 PERSONNEL

| TASKS | DAFSC 2A571 (N=372) | DAFSC 2A590 (N=4) | DIFFERENCE |
|--|---------------------------|-------------------------|------------|
| | | | |
| E389 Service aircraft tires | 75 | * | 75 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 74 | * | 74 |
| E386 Service aircraft hydraulic systems | 71 | * | 71 |
| E175 Clean aircraft windshields | 70 | * | 70 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 69 | * | 69 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 67 | * | 67 |
| E176 Clean interior of aircraft | 65 | * | 65 |
| E153 Adjust access door or hatch latching mechanisms or linkages | 64 | * | 64 |
| K805 Remove or install aircraft batteries | 61 | * | 61 |
| I738 Service aircraft accumulators | 61 | * | 61 |
| F497 Remove or install wheel and tire assemblies | 61 | * | 61 |
| E322 Remove or install aircraft windows or windshields | 60 | * | 60 |
| I742 Service hydraulic system reservoirs | 59 | * | 59 |
| E314 Remove or install access doors, hatches, or panels | 59 | * | 59 |
| F459 Operationally check brake systems | 59 | * | 59 |
| E369 Remove or install safety devices, such as seat pins or gear locks | 59 | * | 59 |
| A61 Interpret policies, directives, or procedures for subordinates | 30 | 100 | -70 |
| P954 Brief deploying personnel | 9 | 80 | -71 |
| A52 Evaluate personnel for promotion, demotion, reclassification, or special awards | 29 | 100 | -71 |
| A49 Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace | 29 | 100 | -71 |
| A44 Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) Program | 28 | 100 | -72 |
| A56 Evaluate workload requirements | 26 | 100 | -74 |
| A75 Supervise civilian employees | 24 | 100 | -76 |
| A79 Write recommendations for awards or decorations | 19 | 100 | -81 |
| A46 Evaluate job-related suggestions | 19 | 100 | -81 |
| A80 Write replies to inspection reports | 17 | 100 | -83 |
| A58 Initiate actions required due to substandard performance of personnel | 17 | 100 | -83 |
| A1 Annotate time and attendance sheets for civilian employees | 16 | 100 | -84 |
| A74 Schedule personnel for temporary duty (TDY) assignments, leaves, or passes | 14 | 100 | -86 |

TABLE 61

**TASK WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY DAFSC 2A5X1X AND AFR 2A5X1X PERSONNEL
(PERCENT MEMBERS PERFORMING)**

| TASKS | ACTIVE DUTY DAFSC 2A5X1X (N=4,393) | AFRC DAFSC 2A5X1X (N=1,599) | DIFFERENCE | |
|--|--|-----------------------------------|--|-----------------------------------|
| | | | ACTIVE DUTY DAFSC 2A5X1X (N=4,393) | AFRC DAFSC 2A5X1X (N=1,599) |
| A78 Write performance reports or supervisory appraisals | 35 | 16 | 19 | 19 |
| A10 Conduct supervisory performance feedback sessions | 40 | 21 | 19 | 19 |
| A14 Counsel subordinates concerning personal matters | 46 | 30 | 16 | 16 |
| A79 Write recommendations for awards or decorations | 31 | 18 | 13 | 13 |
| A38 Establish performance standards for subordinates | 31 | 19 | 13 | 13 |
| E205 Inspect cargo loading struts or tail stands | 26 | 47 | -21 | -21 |
| E229 Inspect pressure seals, such as crew door, ramp, or visor seals | 37 | 58 | -21 | -21 |
| E192 Inspect aircraft LOX systems | 26 | 46 | -21 | -21 |
| E259 Maintain security of hazardous materials, such as oil, rags, or grease | 27 | 48 | -21 | -21 |
| F450 Inspect landing gear structural components | 37 | 58 | -21 | -21 |
| E193 Inspect aircraft mooring attachment points | 22 | 43 | -21 | -21 |
| E210 Inspect crew door systems | 41 | 63 | -21 | -21 |
| E404 Troubleshoot cargo ramp systems | 17 | 38 | -22 | -22 |
| H610 Inspect ailerons | 39 | 61 | -22 | -22 |
| E389 Service aircraft tires | 54 | 76 | -22 | -22 |
| E403 Troubleshoot cargo door systems | 21 | 43 | -22 | -22 |
| E243 Inspect troop door systems | 23 | 45 | -22 | -22 |
| F440 Inspect landing gear extension or retraction components | 28 | 50 | -22 | -22 |
| H609 Inspect aileron systems | 28 | 51 | -22 | -22 |
| F453 Inspect landing gear up-lock mechanisms | 33 | 55 | -22 | -22 |
| F452 Inspect landing gear trucks, torque struts, or bogies | 35 | 58 | -23 | -23 |
| E218 Inspect ladder systems, such as entry, flight station, or troop compartment | 36 | 59 | -23 | -23 |
| E214 Inspect engine pylons or aprons | 28 | 52 | -24 | -24 |
| F436 Inspect landing gear down-lock mechanisms | 39 | 63 | -24 | -24 |
| E274 Operationally check cargo compartment pressure doors | 18 | 43 | -25 | -25 |
| F435 Inspect landing gear door mechanisms | 39 | 64 | -25 | -25 |
| E275 Operationally check cargo doors or ramps | 31 | 60 | -29 | -29 |
| E206 Inspect cargo ramp seals | 26 | 56 | -30 | -30 |
| E203 Inspect cargo compartment pressure doors | 29 | 59 | -30 | -30 |
| E204 Inspect cargo door or ramp mechanical components | 34 | 68 | -34 | -34 |

TABLE 62

TASK WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY DAFSC 2A5X1X AND ANG DAFSC 2A5X1X
(PERCENT MEMBERS PERFORMING)

| TASKS | AD DAFSC 2A5X1X (N=4,393) | ANG DAFSC 2A5X1X (N=943) | DIFFERENCE | |
|-------|--|-----------------------------------|------------|-----------------------------------|
| | | | AD | ANG DAFSC 2A5X1X (N=943) |
| A10 | Conduct supervisory performance feedback sessions | 40 | 9 | 31 |
| A78 | Write performance reports or supervisory appraisals | 35 | 7 | 28 |
| A14 | Conseil subordinates concerning personal matters | 46 | 24 | 22 |
| A79 | Write recommendations for awards or decorations | 31 | 11 | 21 |
| A38 | Establish performance standards for subordinates | 31 | 15 | 17 |
| E178 | Clean or wash external surfaces of aircraft, other than optical windows or windshields | 34 | 75 | -41 |
| H622 | Inspect rudder systems | 29 | 57 | -29 |
| F436 | Inspect landing gear down-lock mechanisms | 39 | 68 | -29 |
| E180 | Connect or disconnect hydraulic test stands to or from aircraft | 22 | 50 | -28 |
| F435 | Inspect landing gear door mechanisms | 39 | 67 | -28 |
| E302 | Perform tow supervisor procedures during aircraft towing | 35 | 63 | -28 |
| F450 | Inspect landing gear structural components | 37 | 65 | -28 |
| H609 | Inspect aileron systems | 28 | 57 | -28 |
| E321 | Remove or install aircraft protective coverings, such as intake plugs | 43 | 69 | -27 |
| E190 | Inspect aircraft for corrosion | 52 | 79 | -27 |
| H623 | Inspect rudders | 41 | 68 | -27 |
| H613 | Inspect elevator systems | 27 | 54 | -27 |
| E389 | Service aircraft tires | 54 | 81 | -27 |
| E251 | Launch or recover aircraft | 53 | 80 | -27 |
| E255 | Load or unload non-palletized cargo | 16 | 43 | -27 |
| H610 | Inspect ailerons | 39 | 67 | -27 |
| E257 | Lubricate aircraft components | 55 | 81 | -26 |
| F425 | Inspect aircraft wheel and tire assemblies | 53 | 78 | -26 |
| E204 | Inspect cargo door or ramp mechanical components | 34 | 60 | -26 |
| F438 | Inspect landing gear emergency extension systems | 29 | 55 | -26 |
| H614 | Inspect elevators | 40 | 66 | -26 |
| P966 | Identify chemical warfare agents | 21 | 47 | -26 |
| F453 | Inspect landing gear up-lock mechanisms | 33 | 58 | -26 |
| H617 | Inspect flight control cable tensions | 16 | 42 | -26 |

representative tasks performed by active duty to representative tasks performed by ANG personnel. Table 63 displays the percentage of relative job time spent on duties by the MAJCOM groups. See Appendix B for representative tasks performed by the total sample DAFSC groups and differences in tasks between 3- and 5-skill levels, 5- and 7-skill levels, and 7- and 9-skill levels.

ANALYSIS OF MAJOR COMMANDS

Tasks and background data for the 10 MAJCOMs or field operating agencies with the largest AFSC 2A5X1 populations were compared to determine whether job content varied as a function of command assignment (see Table 63). Generally, all MAJCOMs showed high relative job time spent in performing general airframe or aircraft maintenance activities and performing aircraft ground handling or servicing tasks.

A difference was noted in the amount of relative job time spent in duties between active duty, ANG and AFRC personnel. Active duty personnel report spending more relative job time in managerial and supervisory duties than in technical duties, in comparison to their AFRC and ANG counterparts. Active Duty personnel spend 30 percent of their relative job time on Duties A through D, in comparison to 15 percent reported by AFRC personnel, and 13 percent by ANG personnel (see Table 64).

Another difference found between the three components was the reported average number of tasks performed by members of these groups. Active duty personnel reported performing 153 tasks in comparison to the 217 tasks performed by reservists, and 235 tasks performed by guardsmen.

TRAINING ANALYSIS

Occupational survey data are sources of information which can be used to assist in the development of relevant training programs for entry-level personnel. Factors used to evaluate entry-level Aerospace Maintenance training include jobs being performed by first-enlistment personnel, overall distribution of first-enlistment personnel across career ladder jobs, percent first-job (1-24 month TAFMS) and first-enlistment (1-48 months TAFMS) members performing specific tasks or using specific equipment items, ratings of how much TE tasks should receive in formal training, and ratings of relative TD. *Note: As mentioned earlier, only Active Duty TAFMS data is used for this analysis.*

TABLE 63

PERCENTAGE OF TIME SPENT ON DUTIES BY MAJCOM GROUPS

| DUTIES | ACTIVE DUTY USAFE (N=112) | ACTIVE DUTY AETC (N=400) | ACTIVE DUTY PACAF (N=207) | ACTIVE DUTY AFSOC (N=202) | ACTIVE DUTY ACC (N=1,296) |
|--|---------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 21 | 19 | 22 | 19 | 18 |
| B PERFORMING TRAINING ACTIVITIES | 4 | 11 | 4 | 4 | 4 |
| C PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 4 | 2 | 3 | 3 | 4 |
| D PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 5 | 5 | 6 | 5 | 5 |
| E PERFORMING GENERAL AIRFRAME AND AIRCRAFT MAINTENANCE | 29 | 25 | 27 | 30 | 30 |
| F MAINTAINING LANDING GEAR SYSTEMS | 6 | 8 | 7 | 7 | 7 |
| G MAINTAINING UTILITY SYSTEMS | 3 | 3 | 3 | 4 | 3 |
| H MAINTAINING FLIGHT CONTROL SYSTEMS | 6 | 6 | 6 | 4 | 4 |
| I MAINTAINING PNEUDRAULIC SYSTEMS | 3 | 4 | 3 | 3 | 3 |
| J MAINTAINING FUEL SYSTEMS | 2 | 2 | 2 | 2 | 2 |
| K MAINTAINING ELECTRICAL SYSTEMS | 3 | 3 | 3 | 4 | 4 |
| L MAINTAINING ENGINE SYSTEMS | 3 | 3 | 3 | 4 | 4 |
| M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) | 1 | 1 | 1 | 1 | 1 |
| N MAINTAINING -21 AME, DUAL RAIL CARGO HANDLING SYSTEMS, AND -135 CARGO HANDLING SYSTEMS | 2 | 3 | 3 | 3 | 2 |
| O PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 7 | 5 | 5 | 5 | 6 |
| P PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 1 | * | 2 | 3 | 3 |

* Denotes less than .5 percent

TABLE 63 (CONTINUED)

PERCENTAGE OF TIME SPENT ON DUTIES BY MAJCOM GROUPS

| DUTIES | ACTIVE DUTY AMC (N=2,055) | ACTIVE DUTY AFMC (N=104) | ACTIVE DUTY AF ELM (N=8) | AIR NATIONAL GUARD (ANG) (N=943) | AIR FORCE RESERVES (AFRC) (N=1,599) |
|--|---------------------------------|--------------------------------|--------------------------------|--|---|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 18 | 22 | 15 | 7 | 9 |
| B PERFORMING TRAINING ACTIVITIES | 4 | 3 | 18 | 2 | 3 |
| C PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 3 | 6 | 1 | 2 | 1 |
| D PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 6 | 4 | 6 | 2 | 2 |
| E PERFORMING GENERAL AIRFRAME AND AIRCRAFT MAINTENANCE | 30 | 26 | 29 | 37 | 38 |
| F MAINTAINING LANDING GEAR SYSTEMS | 7 | 8 | 7 | 11 | 11 |
| G MAINTAINING UTILITY SYSTEMS | 4 | 4 | 4 | 5 | 5 |
| H MAINTAINING FLIGHT CONTROL SYSTEMS | 5 | 6 | 4 | 7 | 7 |
| I MAINTAINING PNEUDRAULIC SYSTEMS | 3 | 5 | 3 | 5 | 4 |
| J MAINTAINING FUEL SYSTEMS | 2 | 2 | 2 | 3 | 3 |
| K MAINTAINING ELECTRICAL SYSTEMS | 3 | 3 | 3 | 5 | 5 |
| L MAINTAINING ENGINE SYSTEMS | 3 | 5 | 4 | 5 | 4 |
| M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) | 1 | 1 | 1 | 1 | 1 |
| N MAINTAINING -21 AME, DUAL RAIL CARGO HANDLING SYSTEMS, AND -135 CARGO HANDLING SYSTEMS | 4 | 1 | 1 | 2 | 3 |
| O PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 6 | 4 | 3 | 4 | 4 |
| P PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 3 | 1 | 1 | 2 | 2 |

* Denotes less than .5 percent

TABLE 64

RELATIVE PERCENT TIME SPENT ON DUTIES BY COMPONENTS
 TOTAL SAMPLE
 (N=6,935)

| DUTIES | ACTIVE DUTY 2A5X1X N=4,393 | AFRC 2A5X1X N=1,599 | ANG 2A5X1X N=943 |
|--|----------------------------------|---------------------------|------------------------|
| A Performing Management and Supervisory Activities | 18 | 9 | 7 |
| B Performing Training Activities | 4 | 3 | 2 |
| C Performing General Administrative and Technical Order System Activities | 3 | 1 | 2 |
| D Performing General Supply and Equipment Activities | 5 | 2 | 2 |
| E Performing General Airframe and Aircraft Maintenance | 29 | 38 | 37 |
| F Maintaining Landing Gear Systems | 7 | 11 | 11 |
| G Maintaining Utility Systems | 3 | 5 | 5 |
| H Maintaining Flight Control Systems | 5 | 7 | 7 |
| I Maintaining Pneumatic Systems | 3 | 4 | 5 |
| J Maintaining Fuel Systems | 2 | 3 | 3 |
| K Maintaining Electrical Systems | 3 | 4 | 5 |
| L Maintaining Engine Systems | 3 | 4 | 5 |
| M Maintaining Aerospace Ground Equipment (AGE) | 1 | 1 | 1 |
| N Maintaining -21 AME, Dual Rail Cargo Handling Systems, and -135 Cargo Handling Systems | 3 | 3 | 2 |
| O Performing Maintenance Management Activities | 6 | 4 | 4 |
| P Performing Mobility And Contingency Activities | 2 | 2 | 2 |

NOTE: Columns may not add to 100 percent due to rounding

First-Enlistment Personnel
(Active Duty)

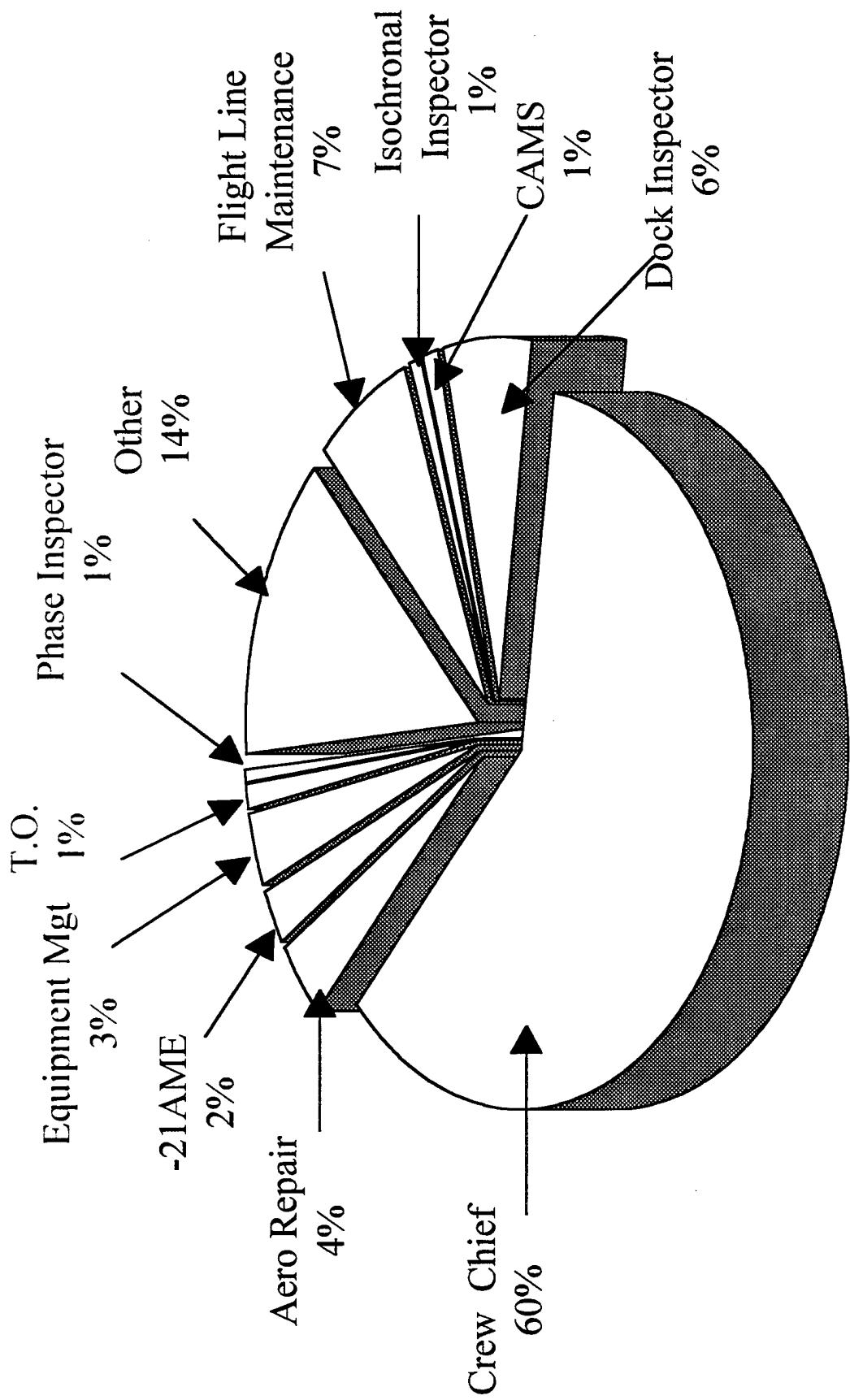
In this study, there are 1,067 AFSC 2A5X1X active duty members in their first enlistment (1-48 months TAFMS), representing 49 percent of the survey sample. The total of first-enlistment personnel in each shred is listed in the table displayed below.

ACTIVE DUTY FIRST ENLISTMENT TOTALS

| <u>AFSC WITH SHRED</u> | <u>TOTAL</u> |
|------------------------|--------------|
| 2A531A | 102 |
| 2A531B | 138 |
| 2A531C | 132 |
| 2A531D | 77 |
| 2A531E | 38 |
| 2A531F | 36 |
| 2A531G | 98 |
| 2A531H | 110 |
| 2A551J | 203 |
| 2A551K | 69 |
| <u>2A551L</u> | <u>64</u> |
| TOTAL | 1,067 |

As shown in Figure 2, 60 percent of first-term personnel work in the Crew Chief Cluster. As indicated in Table 65, the active duty first-enlistment personnel spend 45 percent of their relative job time performing general airframe and aircraft maintenance, with an additional 10 percent of their relative job time performing general landing gear system activities. Tables 66 through 77 display representative tasks performed by first-enlistment personnel according to shreds. These tasks cover FOD walks, operating aircraft interphones, connecting or disconnecting external electrical aircraft power, and performing aircraft fueling or defueling.

As shown in Table 78, first-enlistment personnel use 22 pieces of equipment in large enough numbers (30 percent using) to give sufficient reasons for inclusion in a structured training program. This equipment ranges from use of air compressors to use of the oxygen carts. The major types of aircraft inspections performed by first-enlistment personnel (more than 30 percent performing) are listed below.



FIRST-ENLISTMENT PERSONNEL JOBS
(N=1,068)

FIGURE 2

TABLE 65
RELATIVE PERCENT TIME SPENT ON DUTIES BY ACTIVE DUTY
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=1,067) |
|--|---|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 3 |
| B PERFORMING TRAINING ACTIVITIES | * |
| C PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 1 |
| D PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 4 |
| E PERFORMING GENERAL AIRFRAME AND AIRCRAFT MAINTENANCE | 45 |
| F MAINTAINING LANDING GEAR SYSTEMS | 10 |
| G MAINTAINING UTILITY SYSTEMS | 5 |
| H MAINTAINING FLIGHT CONTROL SYSTEMS | 5 |
| I MAINTAINING PNEUDRAULIC SYSTEMS | 4 |
| J MAINTAINING FUEL SYSTEMS | 3 |
| K MAINTAINING ELECTRICAL SYSTEMS | 5 |
| L MAINTAINING ENGINE SYSTEMS | 4 |
| M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) | 2 |
| N MAINTAINING -21 AME, DUAL RAIL CARGO HANDLING SYSTEMS, AND -135 CARGO HANDLING SYSTEMS | 4 |
| O PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 3 |
| P PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 1 |

* Denotes less than .5 percent

TABLE 66
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A5X1
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=1,067) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 85 |
| E179 Connect or disconnect external electrical aircraft power | 84 |
| E264 Operate aircraft interphones | 80 |
| E261 Open or close engine cowlings, panels, or doors | 79 |
| E304 Perform wing or tail walker procedures during aircraft towing | 78 |
| E257 Lubricate aircraft components | 75 |
| E389 Service aircraft tires | 74 |
| E294 Perform aircraft fueling or defueling | 73 |
| E194 Inspect aircraft shock struts | 73 |
| E307 Position fire extinguishers | 72 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 71 |
| E175 Clean aircraft windshields | 71 |
| E251 Launch or recover aircraft | 70 |
| E176 Clean interior of aircraft | 70 |
| E188 Inspect access doors, hatches, or panels | 70 |
| E295 Perform brake rider procedures during aircraft towing | 70 |
| F425 Inspect aircraft wheel and tire assemblies | 69 |
| E195 Inspect aircraft windows or windshields | 69 |
| E394 Service engines with oil | 69 |
| E190 Inspect aircraft for corrosion | 68 |
| E386 Service aircraft hydraulic systems | 67 |
| K789 Inspect external aircraft lights | 67 |
| E250 Jack or level aircraft | 67 |
| E227 Inspect portable fire extinguishers | 65 |
| O932 Clear Red-Diagonal conditions | 64 |
| F451 Inspect landing gear struts | 63 |
| O931 Clear Red-Dash conditions | 62 |

Average number of tasks performed - 147

TABLE 67
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY A-SHRED
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=102) |
|--|---|
| E297 Perform foreign object damage (FOD) walks | 83 |
| E179 Connect or disconnect external electrical aircraft power | 81 |
| E264 Operate aircraft interphones | 76 |
| E257 Lubricate aircraft components | 75 |
| E261 Open or close engine cowlings, panels, or doors | 74 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 73 |
| E304 Perform wing or tail walker procedures during aircraft towing | 72 |
| E188 Inspect access doors, hatches, or panels | 71 |
| E389 Service aircraft tires | 71 |
| E295 Perform brake rider procedures during aircraft towing | 70 |
| E251 Launch or recover aircraft | 69 |
| E175 Clean aircraft windshields | 69 |
| E307 Position fire extinguishers | 68 |
| E294 Perform aircraft fueling or defueling | 66 |
| E190 Inspect aircraft for corrosion | 65 |
| E394 Service engines with oil | 65 |
| F425 Inspect aircraft wheel and tire assemblies | 64 |
| E195 Inspect aircraft windows or windshields | 63 |
| O932 Clear Red-Diagonal conditions | 61 |
| K789 Inspect external aircraft lights | 61 |
| E176 Clean interior of aircraft | 57 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 53 |
| E314 Remove or install access doors, hatches, or panels | 52 |
| D145 Inventory equipment, tools, parts, or supplies | 45 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 38 |
| F458 Lubricate wheel bearings | 36 |

TABLE 68
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY B-SHRED
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=138) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 85 |
| E179 Connect or disconnect external electrical aircraft power | 83 |
| E264 Operate aircraft interphones | 83 |
| E261 Open or close engine cowlings, panels, or doors | 81 |
| E304 Perform wing or tail walker procedures during aircraft towing | 80 |
| E257 Lubricate aircraft components | 78 |
| E294 Perform aircraft fueling or defueling | 78 |
| E194 Inspect aircraft shock struts | 77 |
| E250 Jack or level aircraft | 76 |
| E176 Clean interior of aircraft | 75 |
| E190 Inspect aircraft for corrosion | 75 |
| E389 Service aircraft tires | 74 |
| E188 Inspect access doors, hatches, or panels | 73 |
| E175 Clean aircraft windshields | 72 |
| E260 Moor aircraft | 72 |
| E195 Inspect aircraft windows or windshields | 71 |
| E170 Bleed brake systems | 71 |
| E251 Launch or recover aircraft | 70 |
| E307 Position fire extinguishers | 70 |
| E262 Open or close radomes | 70 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 69 |
| E265 Operate aircraft radios | 69 |
| E387 Service aircraft LOX systems | 69 |
| K789 Inspect external aircraft lights | 67 |
| E295 Perform brake rider procedures during aircraft towing | 67 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 66 |
| E352 Remove or install liferafts | 66 |

TABLE 69
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY C-SHRED
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=132) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 89 |
| E264 Operate aircraft interphones | 84 |
| E179 Connect or disconnect external electrical aircraft power | 84 |
| E304 Perform wing or tail walker procedures during aircraft towing | 84 |
| E389 Service aircraft tires | 80 |
| E261 Open or close engine cowlings, panels, or doors | 80 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 79 |
| E257 Lubricate aircraft components | 79 |
| E307 Position fire extinguishers | 78 |
| E394 Service engines with oil | 77 |
| E294 Perform aircraft fueling or defueling | 76 |
| E387 Service aircraft LOX systems | 76 |
| E386 Service aircraft hydraulic systems | 74 |
| F425 Inspect aircraft wheel and tire assemblies | 73 |
| E250 Jack or level aircraft | 71 |
| O932 Clear Red-Diagonal conditions | 70 |
| E194 Inspect aircraft shock struts | 69 |
| E295 Perform brake rider procedures during aircraft towing | 69 |
| K789 Inspect external aircraft lights | 68 |
| F448 Inspect landing gear roll pin lock tabs | 68 |
| E175 Clean aircraft windshields | 68 |
| E176 Clean interior of aircraft | 67 |
| E188 Inspect access doors, hatches, or panels | 67 |
| E265 Operate aircraft radios | 67 |
| F451 Inspect landing gear struts | 67 |
| E251 Launch or recover aircraft | 65 |
| O931 Clear Red-Dash conditions | 64 |
| E190 Inspect aircraft for corrosion | 64 |
| E227 Inspect portable fire extinguishers | 64 |
| K805 Remove or install aircraft batteries | 64 |

TABLE 70
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY D-SHRED
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=77) |
|---|--|
| E297 Perform foreign object damage (FOD) walks | 88 |
| E179 Connect or disconnect external electrical aircraft power | 86 |
| E264 Operate aircraft interphones | 83 |
| E261 Open or close engine cowlings, panels, or doors | 79 |
| F425 Inspect aircraft wheel and tire assemblies | 78 |
| E307 Position fire extinguishers | 78 |
| E257 Lubricate aircraft components | 77 |
| E304 Perform wing or tail walker procedures during aircraft towing | 77 |
| E188 Inspect access doors, hatches, or panels | 73 |
| E389 Service aircraft tires | 73 |
| O931 Clear Red-Dash conditions | 73 |
| E294 Perform aircraft fueling or defueling | 71 |
| E195 Inspect aircraft windows or windshields | 71 |
| O932 Clear Red-Diagonal conditions | 71 |
| K789 Inspect external aircraft lights | 71 |
| E176 Clean interior of aircraft | 70 |
| E387 Service aircraft LOX systems | 70 |
| E227 Inspect portable fire extinguishers | 70 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 69 |
| E386 Service aircraft hydraulic systems | 69 |
| E251 Launch or recover aircraft | 68 |
| E190 Inspect aircraft for corrosion | 68 |
| E394 Service engines with oil | 66 |
| E175 Clean aircraft windshields | 66 |
| E194 Inspect aircraft shock struts | 65 |
| F451 Inspect landing gear struts | 65 |
| E275 Operationally check cargo doors or ramps | 65 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 64 |
| E291 Operationally check troop doors | 62 |
| E260 Moor aircraft | 62 |

TABLE 71
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY E-SHRED
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=38) |
|---|--|
| E297 Perform foreign object damage (FOD) walks | 92 |
| E179 Connect or disconnect external electrical aircraft power | 89 |
| E264 Operate aircraft interphones | 89 |
| E261 Open or close engine cowlings, panels, or doors | 87 |
| E194 Inspect aircraft shock struts | 87 |
| E386 Service aircraft hydraulic systems | 87 |
| E251 Launch or recover aircraft | 84 |
| E294 Perform aircraft fueling or defueling | 82 |
| E188 Inspect access doors, hatches, or panels | 82 |
| E304 Perform wing or tail walker procedures during aircraft towing | 82 |
| E389 Service aircraft tires | 82 |
| E224 Inspect overwing fairings | 82 |
| E220 Inspect magnetic chip detectors | 82 |
| E257 Lubricate aircraft components | 82 |
| E180 Connect or disconnect hydraulic test stands to or from aircraft | 82 |
| E394 Service engines with oil | 79 |
| E189 Inspect accessory drive gearboxes (ADGs) | 79 |
| E190 Inspect aircraft for corrosion | 79 |
| E295 Perform brake rider procedures during aircraft towing | 76 |
| E388 Service aircraft nitrogen systems | 76 |
| E392 Service engine CSDs or IDGs | 76 |
| E269 Operate weapons bay doors | 76 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 76 |
| E250 Jack or level aircraft | 76 |
| E307 Position fire extinguishers | 74 |
| E195 Inspect aircraft windows or windshields | 74 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 71 |
| F451 Inspect landing gear struts | 71 |
| E245 Inspect weapons bay doors | 71 |
| K789 Inspect external aircraft lights | 71 |

TABLE 72
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY F-SHRED
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=36) |
|---|--|
| E261 Open or close engine cowlings, panels, or doors | 92 |
| E179 Connect or disconnect external electrical aircraft power | 92 |
| E297 Perform foreign object damage (FOD) walks | 92 |
| E307 Position fire extinguishers | 92 |
| E304 Perform wing or tail walker procedures during aircraft towing | 86 |
| E251 Launch or recover aircraft | 86 |
| K789 Inspect external aircraft lights | 86 |
| E161 Adjust engine cowling, panel, or door latches | 83 |
| L835 Inspect engine cowling, panel, or door latches | 83 |
| E394 Service engines with oil | 83 |
| E175 Clean aircraft windshields | 83 |
| E264 Operate aircraft interphones | 81 |
| E389 Service aircraft tires | 81 |
| E386 Service aircraft hydraulic systems | 81 |
| G565 Remove or install drag chutes | 81 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 81 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 78 |
| E194 Inspect aircraft shock struts | 78 |
| E257 Lubricate aircraft components | 78 |
| L860 Remove or install engine cowlings, panels, or doors | 78 |
| K792 Inspect internal aircraft lights, other than emergency lights | 78 |
| E176 Clean interior of aircraft | 78 |
| E195 Inspect aircraft windows or windshields | 75 |
| E294 Perform aircraft fueling or defueling | 75 |
| L836 Inspect engine cowlings, panels, or doors | 75 |
| E295 Perform brake rider procedures during aircraft towing | 75 |

TABLE 73
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY G-SHRED
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=98) |
|---|--|
| E179 Connect or disconnect external electrical aircraft power | 95 |
| E297 Perform foreign object damage (FOD) walks | 92 |
| E261 Open or close engine cowlings, panels, or doors | 91 |
| E175 Clean aircraft windshields | 87 |
| E304 Perform wing or tail walker procedures during aircraft towing | 86 |
| E176 Clean interior of aircraft | 84 |
| E264 Operate aircraft interphones | 83 |
| E294 Perform aircraft fueling or defueling | 83 |
| E295 Perform brake rider procedures during aircraft towing | 83 |
| E194 Inspect aircraft shock struts | 83 |
| E251 Launch or recover aircraft | 81 |
| E394 Service engines with oil | 81 |
| E389 Service aircraft tires | 81 |
| E307 Position fire extinguishers | 80 |
| E195 Inspect aircraft windows or windshields | 79 |
| E386 Service aircraft hydraulic systems | 79 |
| E267 Operate landing gear or wheel well doors | 79 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 78 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 77 |
| E227 Inspect portable fire extinguishers | 77 |
| E188 Inspect access doors, hatches, or panels | 76 |
| E257 Lubricate aircraft components | 74 |
| K805 Remove or install aircraft batteries | 74 |
| K789 Inspect external aircraft lights | 73 |
| F425 Inspect aircraft wheel and tire assemblies | 70 |
| E391 Service crew or passenger comfort facilities, such as latrines or galleys | 69 |
| E201 Inspect blow-out doors | 69 |
| F471 Remove or install aircraft brake assemblies or brake system | 69 |

TABLE 74
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY H-SHRED
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=110) |
|--|---|
| E297 Perform foreign object damage (FOD) walks | 84 |
| E179 Connect or disconnect external electrical aircraft power | 83 |
| E294 Perform aircraft fueling or defueling | 80 |
| E175 Clean aircraft windshields | 80 |
| E261 Open or close engine cowlings, panels, or doors | 80 |
| E176 Clean interior of aircraft | 79 |
| E251 Launch or recover aircraft | 79 |
| E392 Service engine CSDs or IDGs | 79 |
| E394 Service engines with oil | 79 |
| E194 Inspect aircraft shock struts | 79 |
| E264 Operate aircraft interphones | 78 |
| E389 Service aircraft tires | 78 |
| E257 Lubricate aircraft components | 75 |
| E267 Operate landing gear or wheel well doors | 75 |
| E295 Perform brake rider procedures during aircraft towing | 75 |
| E304 Perform wing or tail walker procedures during aircraft towing | 74 |
| E396 Service gaseous oxygen systems | 74 |
| E227 Inspect portable fire extinguishers | 74 |
| E265 Operate aircraft radios | 74 |
| E195 Inspect aircraft windows or windshields | 73 |
| K789 Inspect external aircraft lights | 73 |
| E190 Inspect aircraft for corrosion | 72 |
| F425 Inspect aircraft wheel and tire assemblies | 72 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 72 |
| E307 Position fire extinguishers | 71 |
| J759 Inspect aircraft for fuel leaks | 70 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 69 |
| E183 Dispose of hazardous materials | 69 |
| E230 Inspect radomes | 69 |

TABLE 75
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY J-SHRED
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=202) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 77 |
| E179 Connect or disconnect external electrical aircraft power | 74 |
| E304 Perform wing or tail walker procedures during aircraft towing | 70 |
| E257 Lubricate aircraft components | 67 |
| E264 Operate aircraft interphones | 67 |
| E250 Jack or level aircraft | 66 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 65 |
| E261 Open or close engine cowlings, panels, or doors | 65 |
| E389 Service aircraft tires | 65 |
| E188 Inspect access doors, hatches, or panels | 64 |
| E194 Inspect aircraft shock struts | 64 |
| E295 Perform brake rider procedures during aircraft towing | 64 |
| E294 Perform aircraft fueling or defueling | 62 |
| E190 Inspect aircraft for corrosion | 62 |
| E176 Clean interior of aircraft | 60 |
| O932 Clear Red-Diagonal conditions | 60 |
| E195 Inspect aircraft windows or windshields | 60 |
| E204 Inspect cargo door or ramp mechanical components | 60 |
| O931 Clear Red-Dash conditions | 59 |
| E251 Launch or recover aircraft | 59 |
| E307 Position fire extinguishers | 59 |
| F425 Inspect aircraft wheel and tire assemblies | 59 |
| E387 Service aircraft LOX systems | 59 |
| E262 Open or close radomes | 58 |
| E175 Clean aircraft windshields | 57 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 56 |
| K789 Inspect external aircraft lights | 56 |
| E265 Operate aircraft radios | 55 |
| E230 Inspect radomes | 55 |
| F451 Inspect landing gear struts | 55 |
| E275 Operationally check cargo doors or ramps | 54 |

TABLE 76
REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY K-SHRED
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=69) |
|---|--|
| E297 Perform foreign object damage (FOD) walks | 97 |
| E179 Connect or disconnect external electrical aircraft power | 96 |
| E264 Operate aircraft interphones | 90 |
| E188 Inspect access doors, hatches, or panels | 90 |
| O931 Clear Red-Dash conditions | 88 |
| E261 Open or close engine cowlings, panels, or doors | 87 |
| O932 Clear Red-Diagonal conditions | 87 |
| E194 Inspect aircraft shock struts | 87 |
| E304 Perform wing or tail walker procedures during aircraft towing | 84 |
| E257 Lubricate aircraft components | 84 |
| E195 Inspect aircraft windows or windshields | 84 |
| F425 Inspect aircraft wheel and tire assemblies | 84 |
| E295 Perform brake rider procedures during aircraft towing | 83 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 80 |
| E175 Clean aircraft windshields | 80 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 78 |
| E176 Clean interior of aircraft | 78 |
| E190 Inspect aircraft for corrosion | 78 |
| E307 Position fire extinguishers | 78 |
| E250 Jack or level aircraft | 78 |
| E262 Open or close radomes | 78 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 77 |
| K789 Inspect external aircraft lights | 77 |
| E251 Launch or recover aircraft | 75 |
| E294 Perform aircraft fueling or defueling | 75 |
| E394 Service engines with oil | 75 |
| E386 Service aircraft hydraulic systems | 75 |

TABLE 77

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY L-SHRED
FIRST-ENLISTMENT PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=64) |
|---|--|
| E264 Operate aircraft interphones | 86 |
| E179 Connect or disconnect external electrical aircraft power | 84 |
| E261 Open or close engine cowlings, panels, or doors | 80 |
| E297 Perform foreign object damage (FOD) walks | 80 |
| E257 Lubricate aircraft components | 77 |
| E194 Inspect aircraft shock struts | 73 |
| E307 Position fire extinguishers | 73 |
| E175 Clean aircraft windshields | 72 |
| E295 Perform brake rider procedures during aircraft towing | 72 |
| E304 Perform wing or tail walker procedures during aircraft towing | 72 |
| E176 Clean interior of aircraft | 70 |
| E267 Operate landing gear or wheel well doors | 70 |
| E294 Perform aircraft fueling or defueling | 69 |
| E195 Inspect aircraft windows or windshields | 69 |
| E394 Service engines with oil | 69 |
| E227 Inspect portable fire extinguishers | 69 |
| E265 Operate aircraft radios | 69 |
| E389 Service aircraft tires | 69 |
| E190 Inspect aircraft for corrosion | 69 |
| O932 Clear Red-Diagonal conditions | 69 |
| E251 Launch or recover aircraft | 67 |
| F425 Inspect aircraft wheel and tire assemblies | 67 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 66 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 64 |
| E386 Service aircraft hydraulic systems | 64 |
| O931 Clear Red-Dash conditions | 64 |
| E188 Inspect access doors, hatches, or panels | 61 |
| E230 Inspect radomes | 61 |
| H614 Inspect elevators | 61 |

TABLE 78
SUPPORT EQUIPMENT USED OR OPERATED BY MORE THAN 30 PERCENT OF
FIRST-ENLISTMENT PERSONNEL
ACTIVE DUTY

| <u>EQUIPMENT ITEMS</u> | <u>PERCENT MEMBER USING</u> |
|----------------------------------|-----------------------------|
| Maintenance Platform/Stand, B-1 | 80 |
| Aircraft Towbar | 79 |
| Axle Jack | 79 |
| Maintenance Platform/Stand, B-40 | 77 |
| Maintenance Platform/Stand, B-5 | 77 |
| Ground Heater, H-1 | 76 |
| Aircraft Tripod Jack | 74 |
| Floodlight Set, NF-2 | 72 |
| Maintenance Platform/Stand, B-2 | 72 |
| A-M32A Hobart Diesel | 69 |
| Air Compressor, MC-1A | 62 |
| Liquid Oxygen Cart | 58 |
| Hydraulic Servicing Cart | 51 |
| Tire Dolly | 51 |
| Air Compressor, MC-2A | 49 |
| Deicing Equipment | 42 |
| Maintenance Platform/Stand, C-1 | 41 |
| Bobtail Jeep | 38 |
| Gaseous Oxygen Cart | 38 |

**AIRCRAFT INSPECTIONS PERFORMED BY MORE THAN 30 PERCENT
OF FIRST ENLISTMENT PERSONNEL**

| <u>AIRCRAFT INSPECTIONS</u> | <u>PERCENT MEMBERS PERFORMING</u> |
|------------------------------------|--|
| Preflight | 71 |
| Thruflight | 66 |
| Basic Postflight | 60 |
| Home Station Check | 52 |
| Acceptance | 37 |
| Preflight/Postflight | 36 |

Training Emphasis (TE) and Task Difficulty (TD) Data

TE and TD data are secondary task factors that can help training development personnel decide which tasks to emphasize for entry-level training. These ratings, based on the judgments of senior career ladder NCOs at operational units, provide training personnel with a rank-ordering of those tasks considered important for airmen with 1-48 months TAFMS training (TE) and a measure of the relative difficulty of those tasks (TD). When combined with data on the percentages of first-enlistment personnel performing tasks, comparisons can be made to determine if training adjustments are necessary. For example, tasks receiving high ratings on both task factors (TE and TD), accompanied by moderate to high percentages performing, may warrant resident training. Those tasks receiving high task factor ratings, but low percentages performing, may be more appropriately planned for OJT programs within the career ladder. Low task factor ratings may highlight tasks best omitted from training for first-enlistment personnel. These decisions must be weighed against percentages of personnel performing the tasks, command concerns, and criticality of the tasks.

To assist training development personnel, AFOMS developed a computer program that uses these task factors and the percentage of first-enlistment personnel performing tasks to produce Automated Training Indicators (ATI). ATIs correspond to training decisions listed and defined in the Training Decision Logic Table found in Attachment 1, AETCI 36-2601, and assigned an ATI value to each task corresponding to the 18 training decisions on the table. The decision logic table and explanation of ATIs precede the listing of tasks in descending order of ATI in the Training Extracts. Training personnel should focus on tasks with an ATI of 18, which suggests these tasks should be in the entry-level course.

Table 79 displays the TE rated tasks for active duty personnel with the percentages of first-job (1-24 months TAFMS), and first-enlistment (1-48 months TAFMS), and the TD rating. As illustrated by the tasks listed, most apply to the routine maintenance of servicing an aircraft, such as launching or recovering an aircraft, fueling or defueling, servicing aircraft tires, and connecting or disconnecting external electrical aircraft power.

TABLE 79

AFSC 2A5X1 TASKS WITH HIGHEST TRAINING EMPHASIS RATINGS

| TASK | TNG EMP | PERCENT MEMBERS PERFORMING | | TSK DIF |
|--|---------|----------------------------|---------|---------|
| | | 1ST JOB | 1ST ENL | |
| E251 Launch or recover aircraft | 7.26 | 73 | 70 | 4.63 |
| E294 Perform aircraft fueling or defueling | 7.25 | 77 | 73 | 5.08 |
| E389 Service aircraft tires | 6.93 | 78 | 74 | 3.42 |
| E179 Connect or disconnect external electrical aircraft power | 6.88 | 88 | 84 | 3.15 |
| E386 Service aircraft hydraulic systems | 6.65 | 73 | 67 | 3.63 |
| E257 Lubricate aircraft components | 6.62 | 78 | 75 | 4.26 |
| E394 Service engines with oil | 6.56 | 74 | 69 | 2.91 |
| E295 Perform brake ridge procedures during aircraft towing | 6.56 | 69 | 70 | 3.51 |
| F497 Remove or install wheel and tire assemblies | 6.47 | 50 | 51 | 5.28 |
| E304 Perform wing or tail walker procedures during aircraft towing | 6.41 | 84 | 78 | 2.76 |
| E261 Open or close engine cowlings, panels, or doors | 6.35 | 84 | 79 | 3.36 |
| E188 Inspect access doors, hatches, or panels | 6.28 | 71 | 70 | 3.58 |
| F425 Inspect aircraft wheel and tire assemblies | 6.27 | 71 | 69 | 4.56 |
| E264 Operate aircraft interphones | 6.23 | 84 | 80 | 2.77 |
| E387 Service aircraft LOX systems | 6.18 | 56 | 52 | 4.70 |
| J778 Transfer fuel within aircraft | 6.17 | 55 | 56 | 4.80 |
| K805 Remove or install aircraft batteries | 6.16 | 63 | 61 | 3.97 |
| I742 Service hydraulic system reservoirs | 6.14 | 44 | 45 | 3.49 |
| O932 Clear Red-Diagonal conditions | 6.13 | 63 | 64 | 4.09 |
| F471 Remove or install aircraft brake assemblies or brake system components | 6.13 | 56 | 55 | 5.65 |
| J759 Inspect aircraft for fuel leaks | 6.10 | 53 | 53 | 4.18 |
| I738 Service aircraft accumulators | 6.09 | 47 | 50 | 4.03 |
| E190 Inspect aircraft for corrosion | 6.03 | 69 | 68 | 4.69 |
| E195 Inspect aircraft windows or windshields | 6.02 | 71 | 69 | 4.06 |
| O931 Clear Red-Dash conditions | 6.00 | 60 | 62 | 4.24 |
| O946 Review aircraft flight or maintenance records, such as AF Form 781 series | 5.98 | 41 | 43 | 4.65 |

TE MEAN = 2.52; SD = 1.42 (High TE = 3.94)
 TD MEAN = 5.00; SD = 1.00

Table 80 displays the TD rated tasks for active duty personnel with the percentage of highest TD ratings, first-job, first-enlistment, 3-skill level, 5-skill level, and 7-skill level personnel. As one would expect, tasks rated with the highest TD ratings reflect a low percent of members performing for the first job, getting slightly higher in the first-enlistment group, and a much higher percentage for members performing in the 5-skill level group.

Additional information on the various groups (such as jobs, clusters, and DAFSC) with the associated TE, TD, and ATI ratings are displayed in the TRAINING EXTRACTs, and should be reviewed in detail by operational training school personnel. For more detailed explanation of TE and TD ratings, see Task Factor Administration in the **SURVEY METHODOLOGY** section of this report.

Specialty Training Standard (STS) Analysis

A comprehensive review of the 14 STSs for AFSC 2A531X, dated January 1997, was made by comparing survey data to STS elements for each STS. Operational training personnel from Sheppard AFB TX, and SMEs from Charleston AFB SC, Scott AFB IL, Little Rock AFB AR, and McChord AFB WA, matched JI tasks to appropriate STS sections and subsections. Task knowledge, performance elements, and dashed"/" items of the STSs were compared against the standards set forth in AETCI 36-2601, dated 5 July 1996. Typically, STS sections and subsections matched to tasks which have sufficiently high TE and TD ratings, and are performed by at least 20 percent of personnel in appropriate experience or skill-level groups, (such as first-enlistment (1-48 months TAFMS) and 3- and 5-skill level groups) are considered to be supported and should be considered for inclusion in the STS. Likewise, paragraphs having tasks with less than 20 percent performing across all the criterion groups should be considered for deletion from the STS. Tasks not included in the STS are listed as "Not Referenced" (see Table 81) and should be reviewed for appropriateness of training.

Overview

Overall, the 14 STSs provide a comprehensive coverage of the work performed by personnel in this career field, with survey data supporting most of the essential paragraphs or subparagraphs. The Fundamental Course (STS #1) had 19 elements requiring proficiency code review (see Table 82). The C-130 MRT Course (STS #13) has only 4 tasks not supported by OSR data (see Appendix C). The C-5 Course (STS #9) has a large number of tasks not supported by OSR data (see Appendix C). As mentioned before, the number of tasks not referenced or not supported only flags STS items for review, therefore review by experienced personnel is required. The E-3 Course (STS #11) only displays the Fundamental Course STS data, since the aircraft is not available to the operational training school and tasks are only taught to the knowledge level.

TABLE 80

AFSC 2A5X1 TASKS WITH HIGHEST TASK DIFFICULTY RATINGS

| <u>TASKS</u> | <u>TSK.DIF</u> | <u>1ST JOB</u> | <u>1ST ENL</u> | <u>3X LVL</u> | <u>5X LVL</u> | <u>7X LVL</u> |
|---|----------------|----------------|----------------|---------------|---------------|---------------|
| L875 Remove or install engines | 8.08 | 13 | 16 | 15 | 20 | 11 |
| E253 Lift aircraft by air bags | 8.70 | 4 | 4 | 4 | 6 | 4 |
| F491 Remove or install landing gear struts | 7.55 | 10 | 14 | 12 | 19 | 11 |
| E412 Weigh aircraft | 7.48 | 3 | 5 | 4 | 8 | 6 |
| E343 Remove or install explosive seats | 7.47 | 1 | 1 | 1 | 1 | 0 |
| H657 Remove or install rudders | 7.29 | 5 | 7 | 6 | 12 | 7 |
| A66 Plan deployments of equipment or personnel | 7.25 | 1 | 2 | 1 | 4 | 18 |
| L884 Troubleshoot engine malfunctions | 7.24 | 2 | 5 | 2 | 18 | 13 |
| F492 Remove or install landing gear trucks, torque struts, or bogies | 7.23 | 7 | 9 | 8 | 14 | 9 |
| E341 Remove or install engine struts | 7.20 | 2 | 3 | 3 | 3 | 2 |
| L854 Operationally check engines | 7.14 | 5 | 9 | 5 | 33 | 24 |
| A41 Evaluate budget requirements | 7.12 | 1 | 2 | 1 | 3 | 13 |
| H598 Adjust elevons or elevon system components | 7.08 | 1 | 1 | 0 | 2 | 2 |
| H601 Adjust leading edge slat or leading edge flap system components | 7.08 | 3 | 5 | 4 | 7 | 5 |
| B90 Develop formal course curricula, plans of instructions, (POIs), or specialty training standards | 7.06 | 1 | 2 | 1 | 5 | 10 |
| H606 Adjust spoilers or spoiler system components | 7.06 | 4 | 6 | 4 | 10 | 7 |
| E340 Remove or install engine pylons | 7.05 | 5 | 7 | 7 | 6 | 3 |
| H667 Remove or install wing flap gearboxes or wing flap actuators | 7.03 | 3 | 6 | 4 | 11 | 8 |
| H607 Adjust trailing edge flaps or trailing edge flap system components | 7.03 | 5 | 6 | 5 | 11 | 8 |
| H595 Adjust autospoiler quadrant components | 7.02 | 1 | 2 | 2 | 3 | 2 |
| L878 Remove or install propellers or propeller system components | 7.02 | 3 | 3 | 3 | 6 | 3 |
| L856 Perform engine removal or installation preparations | 7.01 | 10 | 14 | 12 | 21 | 12 |
| L888 Troubleshoot propeller synchrophaser systems | 7.00 | 1 | 1 | 1 | 3 | 2 |
| H608 Check flight control surface travel, using protractors | 7.00 | 7 | 8 | 7 | 14 | 10 |
| H602 Adjust pitch, roll, or yaw trim | 6.99 | 4 | 5 | 4 | 8 | 6 |

TD MEAN = 5.00; SD = 1.00
 TE MEAN = 2.52; SD = 1.42 (High TE = 3.94)

TABLE 81

EXAMPLE OF TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
 AFSC 2A531X PERSONNEL AND NOT REFERENCED TO THE STS
(FUNDAMENTAL COURSE)

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS | | | | | | ATI |
|-------------|---|-----------------|-------------|------------|------------|------------|------------|-----|
| | | 3IX LVL | 1-18 MOS | 1ST JOB | 1ST ENL | TNG EMP | TSK DIF | |
| E251 | Launch or recover aircraft | 73 | 73 | 73 | 70 | 7.26 | 4.63 | 18 |
| E179 | Connect or disconnect external electrical aircraft power | 86 | 88 | 88 | 84 | 6.88 | 3.15 | 18 |
| E295 | Perform brake rider procedures during aircraft towing | 70 | 66 | 69 | 70 | 6.56 | 3.51 | 18 |
| E304 | Perform wing or tail walker procedures during aircraft towing | 79 | 84 | 84 | 78 | 6.41 | 2.76 | 18 |
| E261 | Open or close engine cowlings, panels, or doors | 81 | 85 | 84 | 79 | 6.35 | 3.36 | 18 |
| F425 | Inspect aircraft wheel and tire assemblies | 69 | 71 | 71 | 69 | 6.27 | 4.56 | 18 |
| E264 | Operate aircraft interphones | 81 | 84 | 84 | 80 | 6.23 | 2.77 | 18 |
| E387 | Service aircraft LOX systems | 55 | 61 | 56 | 52 | 6.18 | 4.70 | 18 |
| K805 | Remove or install aircraft batteries | 62 | 61 | 63 | 61 | 6.16 | 3.97 | 18 |
| E250 | Jack or level aircraft | 67 | 65 | 65 | 67 | 5.76 | 6.38 | 18 |
| E265 | Operate aircraft radios | 58 | 59 | 59 | 58 | 5.70 | 3.72 | 18 |
| E369 | Remove or install safety devices, such as seat pins or gear locks | 49 | 45 | 46 | 50 | 5.63 | 2.91 | 18 |
| E381 | Remove snow or ice from aircraft | 39 | 25 | 31 | 39 | 5.94 | 4.32 | 15 |
| F451 | Inspect landing gear struts | 64 | 62 | 64 | 63 | 5.94 | 4.50 | 18 |
| E235 | Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 59 | 56 | 58 | 59 | 5.56 | 3.22. | 18 |

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE 82

EXAMPLES OF STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP
(*FUNDAMENTAL COURSE*)

| STS REFERENCE/TASKS | PERCENT MEMBERS PERFORMING | | | | | | | |
|---------------------|--|--|-------|------|---------|------|------|------|
| | 3-LVL | | 1-18M | | 1ST JOB | | TNG | TSK |
| | COURSE | PROF | LVL | CODE | LVL | CODE | EMP | DIF |
| A.2.3.5. | Hazardous Chemicals | - | - | - | - | - | - | - |
| | E183 | Dispose of hazardous materials | 53 | 54 | 55 | 52 | 5.48 | 5.03 |
| | E259 | Maintain security of hazardous materials, such as oil, rags, or grease | 39 | 42 | 40 | 38 | 5.25 | 3.77 |
| A.2.11.5.4 | Lubricate aircraft | - | - | - | - | - | - | - |
| | E257 | Lubricate aircraft components | 76 | 78 | 78 | 75 | 6.62 | 4.26 |
| A.2.11.9. | Perform inclement/ cold weather procedures | - | - | - | 30 | 15 | 24 | 4.78 |
| | E292 | Perform aircraft cold weather procedures | 30 | 15 | 24 | 30 | 4.94 | 4.78 |
| A.2.17.7.4. | Engine cowling | - | - | - | - | - | - | - |
| | L859 | Remove or install engine cowling, panel, or door latches | 36 | 31 | 33 | 37 | 5.42 | 4.86 |
| | L860 | Remove or install engine cowling, panel, or doors | 36 | 32 | 32 | 36 | 5.35 | 4.84 |
| A.2.3.5.2 | Hazardous Chemicals-Disposal | A | - | - | - | - | - | - |
| | E183 | Dispose of hazardous materials | 53 | 54 | 55 | 52 | 5.48 | 5.03 |
| | E300 | Perform hazardous waste clean up procedures, other than aircraft fuel | 37 | 37 | 37 | 36 | 4.75 | 4.57 |

*** No ATI rating

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

Caution, the following chart is not a judgment on the value of the STS but rather, simply a display of STS paragraphs with tasks matched. This display should provide you with a "big picture" of each STS. As stated previously, more detailed analysis and information is provided in the Aerospace Maintenance Extracts.

TECHNICAL TASKS SUGGESTED FOR TRAINING EVALUATION REVIEW

| STS Number | Aircraft | Shred | Number of Tasks where proficiency code does not match OSR data (over 20 percent PMP) | Number of Tasks Not Reference (over 20 percent PMP) |
|------------|-----------------------|-------------------|--|---|
| STS #1 | Fundamentals | All 3 Skill Level | 19 | 85 |
| STS #2 | B-1B | 2A531E | 22 | 49 |
| STS #3 | B-2 | 2A531E | 13 | 61 |
| STS #4 | B-52 | 2A531F | 8 | 51 |
| STS #5 | C-130 (see STS 13) | 2A531B | 5 | 82 |
| STS #6 | C-135 | 2A531G | 0 | 75 |
| STS #7 | C-141 (see STS 14) | 2A531A | 23 | 66 |
| STS #8 | C-17 | 2A531D | 8 | 143 |
| STS #9 | C-5 | 2A531C | 35 | 94 |
| STS #10 | C-9 | 2A531A | 21 | 81 |
| STS #11 | E-3 | 2A531G | + | + |
| STS #12 | KC-10/E-4 | 2A531H | 7 | 61 |
| STS #13 | MRT C-130 | 2A531B | 4 | * |
| STS #14 | MRT C-141 | 2A531A | 13 | * |

+ Due to lack of aircraft availability, operational training school training is limited to knowledge level training

* Not applicable, MRT courses focused on combat ready tasks

Computer Listing of STSs

Detailed information on each shred within the Aerospace Maintenance is available upon request (see **PREFACE**). A complete computer listing of this data has been mailed to the operational training school for review and evaluation. This information is available in the specific training extract associated to the corresponding AFSC shred.

Each training extract contains: (1) a comprehensive display of the Fundamental Course (STS #1) matched with percent members performing for the following groups: first enlistment, percent members performing for each of the 11 shreds, and TE, TD, and ATI ratings per task (an example of this product is displayed in Table 83); and (2) a product displaying data *specifically* associated to the particular shred. This printout displays the following information: percent members performing, 18 months TAFMS, first-job, first-enlistment, TE, TD, and ATI ratings per task.

The number of different STS computer products provided in each Aerospace Maintenance Training Extract varies according to the aircrafts associated to each shred and if the shred has an additional MRT course (see Table 84). For example, the active duty AFSC 2A531A Training Extract contains 4 different STS matches: STS #1 Fundamental Course data, STS #7 associated to the C-141, STS #10 covering the C-9, and STS #14 covering the MRT course for the C-141.

The personnel in this career field are responsible for maintaining a wide variety of aircraft and systems. Therefore, training personnel should review and evaluate each STS for possible fine-tuning of content and proficiency codes, realizing that any changes made in common sections could affect all STS shreds. This review will help ensure that tasks associated to general maintenance, as well as to maintenance of a particular aircraft, are accurately and effectively trained.

JOB SATISFACTION ANALYSIS

An examination of job satisfaction indicators can give career ladder managers a better understanding of factors that may affect the job performance of career ladder airmen. Therefore, the survey booklet included attitude questions covering job interest, perceived utilization of talents and training, sense of accomplishment from work, and reenlistment intentions. The responses of the current survey sample were analyzed by making several comparisons: (1) among active duty TAFMS groups of the AFSC career ladder and a comparative sample of personnel from other Mission Equipment Management Group AFSCs surveyed in 1997, (2) between current and previous survey active duty TAFMS groups, and (3) across specialty groups identified in the **SPECIALTY JOBS** section of the report. Table 85 displays job satisfaction ratings for the three Air Force components.

ACTIVE DUTY JOB SATISFACTION

Table 86 compares active duty first-enlistment (1-48 months TAFMS), second-enlistment (49-96 months TAFMS), and career (97+ months TAFMS) group data to corresponding enlistment groups from other Mission Equipment Management Group AFSCs surveyed in 1997. These data give a relative measure of how the job satisfaction of AFSC 2A5X1X personnel

TABLE 83

EXAMPLES OF STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP
(FUNDAMENTAL COURSE)

| STS REFERENCE/TASKS | PROF CODE | PERCENT MEMBERS PERFORMING | | | | | | TSK DIF | ATI | | | | | | |
|---------------------|---|----------------------------|-----------|------------|------------|------------|------------|---------|-----|----|----|------|------|------|----|
| | | 1EL 31X | AD 31X | 2A5 31A | 2A5 31B | 2A5 31C | 2A5 31E | | | | | | | | |
| A2.8.5 | A2.8.5 | - | 45 | 42 | 38 | 46 | 30 | 39 | 63 | 53 | 49 | 40 | 5.55 | 4.36 | 12 |
| O928 | Use GO-81 Access core automated maintenance systems (CAMS) or GO-81 | - | 10 | 10 | 4 | 9 | 7 | 9 | 3 | 8 | 15 | 16 | 2.80 | 4.90 | ** |
| O948 | Update historical reports in CAMS or GO-81 | 20 | 20 | 17 | 19 | 16 | 30 | 15 | 25 | 30 | 30 | 16 | 4.55 | 4.66 | 7 |
| O949 | Update maintenance data collection (MDC) data in CAMS or GO-81 | - | 40 | 40 | 45 | 34 | 43 | 40 | 33 | 38 | 45 | 4.72 | 3.59 | 15 | |
| A2.11.3 | A2.11.3 Inventory aircraft equipment | - | 75 | 76 | 74 | 79 | 79 | 76 | 78 | 78 | 74 | 75 | 6.62 | 4.26 | 18 |
| D145 | Inventory equipment, tools, parts, or supplies | - | 69 | 70 | 62 | 71 | 63 | 71 | 70 | 75 | 77 | 73 | 6.02 | 4.06 | 18 |
| A2.11.5.4 | A2.11.5.4 Lubricate aircraft | - | 75 | 76 | 74 | 79 | 79 | 76 | 78 | 78 | 74 | 75 | 6.62 | 4.26 | 18 |
| E257 | Lubricate aircraft components | - | 69 | 70 | 62 | 71 | 63 | 71 | 70 | 75 | 77 | 73 | 6.02 | 4.06 | 18 |
| A2.12.4.5 | A2.12.4.5 Remove/install/open/close/ inspect flight station windows/windshields | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| E195 | Inspect aircraft windows/ windshields | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE =3.94)
Average TD = 5.00, Standard Deviation =1.00 (High TD =6.00)

TABLE 84

STS MATCHES FOR FUNDAMENTALS AND 3-SKILL LEVEL COURSES
AEROSPACE MAINTENANCE
AFSC 2A5X1

| STS NUMBER | AIRCRAFT SPECIFIC COURSE | SHREDS ASSOCIATED TO AIRCRAFTS | BASE STS MATCHES COMPLETED | ADDITIONAL MRT COURSE |
|------------|--------------------------|--------------------------------|----------------------------|-----------------------|
| STS #1 | Fundamentals | 2A5X1X | Sheppard AFB TX | |
| STS #2 | B-1B | 2A5X1E | Sheppard AFB TX | |
| STS #3 | B-2 | 2A5X1E | Sheppard AFB TX | |
| STS #4 | B-52 | 2A5X1F | Sheppard AFB TX | |
| STS #5 | C-130/ | 2A5X1B | Sheppard AFB TX | See STS #13 |
| STS #6 | C-135 | 2A5X1G | Sheppard AFB TX | |
| STS #7 | C-141 | 2A5X1A | Sheppard AFB TX | See STS #14 |
| STS #8 | C-17 | 2A5X1D | Charleston AFB SC | |
| STS #9 | C-5 | 2A5X1C | Sheppard AFB TX | |
| STS #10 | C-9 | 2A5X1A | Scott AFB IL. | |
| STS #11 | E-3 | 2A5X1G | Sheppard AFB TX | |
| STS #12 | KC-10/E-4 | 2A5X1H | Sheppard AFB TX | |
| STS #13 | C-130 MRT Course | 2A5X1B | Little Rock AFB AR. | |

TABLE 85

COMPARISONS OF JOB SATISFACTION INDICATORS BY COMPONENT STATUS
(PERCENT MEMBERS RESPONDING)

| | ACTIVE DUTY (N=4,393) | AFRC (N=1,599) | ANG (N=943) |
|--|--------------------------|-------------------|----------------|
| <u>EXPRESSED JOB INTEREST:</u> | | | |
| INTERESTING | 72 | 80 | 87 |
| SO-SO | 18 | 14 | 9 |
| DULL | 10 | 6 | 4 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | |
| FAIRLY WELL TO PERFECTLY | 81 | 84 | 89 |
| LITTLE OR NOT AT ALL | 19 | 15 | 11 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | |
| FAIRLY WELL TO PERFECTLY | 82 | 89 | 93 |
| LITTLE OR NOT AT ALL | 18 | 11 | 8 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM</u> | | | |
| WORK: | | | |
| SATISFIED | 70 | 76 | 84 |
| NEUTRAL | 13 | 12 | 8 |
| DISSATISFIED | 17 | 13 | 8 |
| <u>REENLISTMENT INTENTIONS:</u> | | | |
| YES, OR PROBABLY YES | 69 | 85 | 89 |
| NO, OR PROBABLY NO | 21 | 6 | 6 |
| WILL RETIRE | 10 | 9 | 5 |

NOTE: Columns may not add to 100 percent due to rounding

TABLE 86

COMPARISON OF JOB SATISFACTION INDICATORS OF ACTIVE DUTY PERSONNEL BY TAFMS GROUPS
(PERCENT MEMBERS RESPONDING)

| | 1-48 MOS TAFMS | | 49-96 MOS TAFMS | | 97+ MOS TAFMS | |
|--|----------------------------|------------------------------|--------------------------|------------------------------|----------------------------|------------------------------|
| | 1997 2A5X1 (N=1,067) | COMP SAMPLE* (N=4,506) | 1997 2A5X1 (N=793) | COMP SAMPLE* (N=3,339) | 1997 2A5X1 (N=2,533) | COMP SAMPLE* (N=9,548) |
| <u>EXPRESSED JOB INTEREST:</u> | | | | | | |
| INTERESTING | 67 | 75 | 71 | 74 | 74 | 78 |
| SO-SO | 20 | 16 | 18 | 16 | 17 | 14 |
| DULL | 14 | 9 | 11 | 11 | 8 | 8 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | | |
| FAIRLY WELL TO PERFECTLY | 74 | 83 | 80 | 83 | 84 | 85 |
| LITTLE OR NOT AT ALL | 26 | 17 | 19 | 17 | 16 | 15 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | | |
| FAIRLY WELL TO PERFECTLY | 87 | 89 | 82 | 84 | 80 | 82 |
| LITTLE OR NOT AT ALL | 13 | 11 | 18 | 16 | 21 | 18 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | | | |
| SATISFIED | 68 | 73 | 67 | 72 | 83 | 74 |
| NEUTRAL | 15 | 14 | 16 | 13 | 17 | 11 |
| DISSATISFIED | 18 | 13 | 17 | 15 | 15 | 15 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | | |
| YES, OR PROBABLY YES | 56 | 63 | 68 | 73 | 74 | 78 |
| NO, OR PROBABLY NO | 43 | 36 | 31 | 26 | 8 | 7 |
| PLAN TO RETIRE | 0 | 1 | 0 | 1 | 17 | 15 |

* Comparative sample of Mission Equipment Management career ladders surveyed in 1997 (includes AFSCS 2A0X1B, Avionics Test Stations & Components F-15F-111, AFSC 2A1X1 Avionics Sensors Maintenance, AFSC 2A1X7 Electronic Warfare Systems, AFSC 2A3X3 Tactical Aircraft Maintenance, AFSC 2A6X1A/B Aerospace Propulsion, AFSC 2A6X2 Aerospace Ground Equipment, AFSC 2E1X4 Television & Intrusion Detection Systems, AFSC 2E4X1 Space Systems, AFSC 2E5X1 Imagery Systems Maintenance, AFSC 2E6X1 Communication & Antenna Systems, AFSC 2E6X2 Communication Cable Systems, AFSC 2P0X1 Precision Measurement Equipment Laboratory

NOTE: Columns may not add to 100 percent due to rounding

compares with similar Air Force specialties. The comparative sample of Mission Equipment Management career ladders surveyed includes: AFSC 2A0X1B (Avionics Test Stations and Components F-15/F-111), AFSC 2A1X1 (Avionics Sensors Maintenance), AFSC 2A1X7 (Electronic Warfare Systems), AFSC 2A3X3 (Tactical Aircraft Maintenance), AFSC 2A6X1A/B (Aerospace Propulsion), AFSC 2A6X2 (Aerospace Ground Equipment), AFSC 2E1X4 (Television and Intrusion Detection Systems), AFSC 2E4X1 (Space Systems), AFSC 2E5X1 (Imagery Systems Maintenance), AFSC 2E6X1 (Communication and Antenna Systems), AFSC 2E6X2 (Communication Cable Systems), and AFSC 2P0X1 (Precision Measurement Equipment Laboratory).

As displayed in Table 87, job satisfaction for the Aerospace Maintenance personnel is slightly lower than job satisfaction figures for those members of the comparative sample. The first-enlistment group tends to reflect the lowest satisfaction rate of the three TAFMS groups. As airmen gain experience in the Aerospace Maintenance career field, their job interest tends to increase across all except in the area of "Utilization of Training" in the 97+ months TAFMS group. This may be due to the fact that training at this experience level is lessened and training focuses from technical to managerial skills. Yet, in the category of "Sense Of Accomplishment Gained From Work," 83 percent of this experience group (97+ months TAFMS) replied with a sense of satisfaction, compared to the 74 percent in the corresponding component and comparative data group.

An indication of changes in job satisfaction perceptions within the AFSC 2A5X1 career ladder, since the merger of Airlift Aircraft Maintenance (AFSC 457X2), Aircraft Pneudraulic System (AFSC 454X4/A) and Strategic Aircraft Maintenance (AFSC 457X0) to the Aerospace Maintenance career ladder, is provided in Tables 88 and 89. These tables present job satisfaction ratings within TAFMS groups for 1997 survey respondents and data from the previous OSRs now making up the Aerospace Maintenance Career Ladder.

Comparison of job satisfaction indicators responses indicate that generally, the 1997 responses are slightly lower than for the previous surveys. Except in two areas, "Perceived Utilization of Talents" in the 49-96 TAFMS group and "Perceived Utilization of Training" in the 1-48 TAFMS group, where the ratings were about the same.

In addition, active duty job satisfaction data for identified jobs and clusters are displayed in Table 90. Sixteen of the identified clusters and jobs provided generally positive job satisfaction responses.

Depot Inspector personnel had the lowest rated job satisfaction ratings. They rated their job as follows: "Job Interest" 36 percent, "Utilization of Talents" 43 percent, "Utilization of Training" 36 percent, and "Sense of Accomplishment" 29 percent. However, this group had the highest percentage, indicating they plan to reenlist (93 percent). Though it may appear a problem exists, it should be noted than these four groups constitute less than 5 percent of the active duty total survey sample.

TABLE 87

COMPARISON OF JOB SATISFACTION INDICATORS FOR AFSC 2A5X1 ACTIVE DUTY
 TAFMS GROUPS IN CURRENT SURVEY TO PREVIOUS SURVEYS
1-48 MONTHS TAFMS

| EXPRESSED JOB INTEREST: | AEROSPACE MAINT AD AFSC 2A5X1X CURRENT SURVEY (N=1,067) | AIRLIFT PREV AFSC 457X2 JULY 1992 (N=812) | AIRCRAFT MAINT PREV AFSC 454X4/A JUNE 1993 (N=140) | AIRCRAFT PNEUDRAULIC SYS PREV AFSC 454X4/A JUNE 1993 (N=140) | STRATEGIC AIRCRAFT MAINT PREV AFSC 457X0 JANUARY 1993 (N=683) |
|--|---|--|--|--|---|
| INTERESTING | 67 | 77 | 82 | 82 | 77 |
| SO-SO | 20 | 15 | 11 | 11 | 14 |
| DULL | 14 | 8 | 7 | 7 | 9 |
| PERCEIVED UTILIZATION OF TALENTS: | | | | | |
| FAIRLY WELL TO PERFECTLY | 74 | 80 | 88 | 88 | 77 |
| LITTLE OR NOT AT ALL | 26 | 20 | 11 | 11 | 23 |
| PERCEIVED UTILIZATION OF TRAINING: | | | | | |
| FAIRLY WELL TO PERFECTLY | 87 | 85 | 87 | 87 | 93 |
| LITTLE OR NOT AT ALL | 13 | 15 | 13 | 13 | 7 |
| SENSE OF ACCOMPLISHMENT GAINED FROM WORK: | | | | | |
| SATISFIED | 68 | ** | 80 | 80 | 75 |
| NEUTRAL | 15 | ** | 11 | 11 | 11 |
| DISSATISFIED | 18 | ** | 8 | 8 | 14 |
| REENLISTMENT INTENTIONS: | | | | | |
| YES, OR PROBABLY YES | 56 | 60 | 61 | 61 | 54 |
| NO, OR PROBABLY NO | 43 | 40 | 39 | 39 | 45 |
| WILL RETIRE | 0 | * | 0 | 0 | 1 |

* Denotes less than 1 percent

** Denotes information not available

NOTE: Columns may not add to 100 percent due to rounding

TABLE 88

COMPARISON OF JOB SATISFACTION INDICATORS FOR AFSC 2A5X1 ACTIVE DUTY
 TAFMS GROUPS IN CURRENT SURVEY TO PREVIOUS SURVEYS
49-96 MONTHS TAFMS

| | AEROSPACE MAINT AD AFSC 2A5X1X CURRENT SURVEY (N=793) | AIRLIFT AIRCRAFT MAINT PREV AFSC 457X2 JULY 1992 (N=592) | AIRCRAFT PNEUDRAULIC SYS PREV. AFSC 454X4/A JUNE 1993 (N=169) | STRATEGIC AIRCRAFT MAINT PREV. AFSC 457X0 JANUARY 1993 (N=946) |
|--|--|--|---|--|
| <u>EXPRESSED JOB INTEREST:</u> | | | | |
| INTERESTING | 71 | 73 | 80 | 77 |
| SO-SO | 18 | 19 | 13 | 15 |
| DULL | 11 | 8 | 7 | 8 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | |
| FAIRLY WELL TO PERFECTLY | 80 | 80 | 18 | 80 |
| LITTLE OR NOT AT ALL | 19 | 20 | 68 | 20 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | |
| FAIRLY WELL TO PERFECTLY | 82 | 78 | 13 | 89 |
| LITTLE OR NOT AT ALL | 18 | 22 | 73 | 11 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | |
| SATISFIED | 67 | ** | 81 | 72 |
| NEUTRAL | 16 | ** | 9 | 10 |
| DISSATISFIED | 17 | ** | 10 | 14 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | |
| YES, OR PROBABLY YES | 68 | 70 | 76 | 70 |
| NO, OR PROBABLY NO | 31 | 30 | 23 | 39 |
| WILL RETIRE | 0 | * | 1 | 1 |

* Denotes less than 1 percent

** Denotes information not available

NOTE: Columns may not add to 100 percent due to rounding

TABLE 89

COMPARISON OF JOB SATISFACTION INDICATORS FOR AFSC 2A5X1 ACTIVE DUTY
 TAFMS GROUPS IN CURRENT SURVEY TO PREVIOUS SURVEYS
97+ MONTHS TAFMS

| | AEROSPACE MAINT AD AFSC 2A5X1X CURRENT SURVEY (N=2,533) | AIRLIFT AIRCRAFT MAINT PREV AFSC 457X2 JULY 1992 (N=1,469) | AIRLIFT AIRCRAFT PNEUDRAULIC SYS PREV AFSC 454X4/A JUNE 1993 (N=308) | STRATEGIC AIRCRAFT MAINT PREV AFSC 457X0 JANUARY 1993 (N=1,777) |
|--|---|--|--|---|
| <u>EXPRESSED JOB INTEREST:</u> | | | | |
| INTERESTING | 74 | 78 | 82 | 77 |
| SO-SO | 17 | 15 | 12 | 15 |
| DULL | 8 | 7 | 6 | 8 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | |
| FAIRLY WELL TO PERFECTLY | 84 | 85 | 86 | 79 |
| LITTLE OR NOT AT ALL | 16 | 15 | 14 | 21 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | |
| FAIRLY WELL TO PERFECTLY | 80 | 81 | 86 | 83 |
| LITTLE OR NOT AT ALL | 21 | 19 | 14 | 17 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | |
| SATISFIED | 83 | ** | 79 | 74 |
| NEUTRAL | 17 | ** | 12 | 11 |
| DISSATISFIED | | ** | 9 | 15 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | |
| YES, OR PROBABLY YES | 74 | 76 | 78 | 75 |
| NO, OR PROBABLY NO | 8 | 7 | 12 | 6 |
| WILL RETIRE | 17 | 17 | 10 | 19 |

* Denotes less than 1 percent

** Denotes information not available

NOTE: Columns may not add to 100 percent due to rounding

TABLE 90

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
ACTIVE DUTY
 (PERCENT MEMBERS RESPONDING)

| | TRANSIENT ALERT (STG485) (N=17) | FLIGHT LINE MAINT (STG344) (N=100) | ISOCHRONAL INSPECTOR (STG493) (N=10) | PHASE INSPECTOR (STG714) (N=15) | DOCK INSPECTOR (STG330) (N=116) |
|--|--|---|---|--|--|
| <u>EXPRESSED JOB INTEREST:</u> | | | | | |
| INTERESTING | 71 | 65 | 40 | 80 | 68 |
| SO-SO | 18 | 25 | 40 | 7 | 24 |
| DULL | 12 | 10 | 20 | 13 | 8 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 71 | 70 | 80 | 86 | 79 |
| LITTLE OR NOT AT ALL | 29 | 30 | 20 | 13 | 21 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 65 | 89 | 80 | 80 | 92 |
| LITTLE OR NOT AT ALL | 35 | 11 | 20 | 13 | 8 |
| OTHER | 0 | 0 | 0 | 7 | 0 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | | |
| SATISFIED | 71 | 71 | 50 | 73 | 72 |
| NEUTRAL | 12 | 15 | 50 | 13 | 12 |
| DISSATISFIED | 18 | 14 | 0 | 7 | 16 |
| OTHER | 0 | 0 | 0 | 7 | 0 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | |
| YES, OR PROBABLY YES | 76 | 56 | 70 | 67 | 70 |
| NO, OR PROBABLY NO | 12 | 40 | 30 | 27 | 26 |
| WILL RETIRE | 12 | 4 | 0 | 0 | 3 |
| OTHER | 0 | 0 | 0 | 7 | 1 |

NOTE: Columns may not add to 100 percent due to rounding

TABLE 90 (CONTINUED)

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
ACTIVE DUTY
 (PERCENT MEMBERS RESPONDING)

| | CREW CHIEF (STG525) (N=2,012) | DEPOT INSPECTOR (STG427) (N=14) | QUALITY ASSURANCE (STG511) (N=56) | FTD INSTRUCTOR (STG576) (N=31) | OJT INSTRUCTOR (STG482) (N=10) |
|--|--|--|--|---|---|
| <u>EXPRESSED JOB INTEREST:</u> | | | | | |
| INTERESTING | 75 | 36 | 86 | 94 | 70 |
| SO-SO | 17 | 7 | 13 | 3 | 20 |
| DULL | 8 | 57 | 2 | 3 | 10 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 84 | 43 | 91 | 97 | 70 |
| LITTLE OR NOT AT ALL | 16 | 57 | 9 | 3 | 30 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 92 | 36 | 93 | 90 | 70 |
| LITTLE OR NOT AT ALL | 8 | 64 | 7 | 10 | 30 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | | |
| SATISFIED | 73 | 29 | 82 | 84 | 60 |
| NEUTRAL | 12 | 7 | 7 | 3 | 10 |
| DISSATISFIED | 15 | 64 | 11 | 13 | 13 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | |
| YES, OR PROBABLY YES | 71 | 93 | 75 | 87 | 80 |
| NO, OR PROBABLY NO | 24 | 7 | 5 | 3 | 20 |
| WILL RETIRE | 4 | 0 | 20 | 6 | 0 |
| OTHER | 0 | 0 | 0 | 3 | 0 |

NOTE: Columns may not add to 100 percent due to rounding

TABLE 90 (CONTINUED)

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
ACTIVE DUTY
 (PERCENT MEMBERS RESPONDING)

| | AERO REPAIR (STG362) (N=225) | -21 AME SUPPORT (STG206) (N=95) | EQUIPMENT MGT (STG120) (N=205) | FLIGHT LINE EXPEDITER (STG486) (N=129) | MAINT CONTROL (STG504) (N=39) |
|--|---------------------------------------|--|---|---|--|
| <u>EXPRESSED JOB INTEREST:</u> | | | | | |
| INTERESTING | 78 | 52 | 49 | 80 | 74 |
| SO-SO | 14 | 29 | 26 | 13 | 23 |
| DULL | 8 | 19 | 24 | 7 | 3 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 89 | 70 | 62 | 88 | 88 |
| LITTLE OR NOT AT ALL | 11 | 29 | 39 | 12 | 13 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 97 | 66 | 50 | 88 | 74 |
| LITTLE OR NOT AT ALL | 12 | 34 | 50 | 12 | 26 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | | |
| SATISFIED | 76 | 53 | 54 | 79 | 69 |
| NEUTRAL | 12 | 17 | 20 | 5 | 3 |
| DISSATISFIED | 11 | 28 | 27 | 16 | 28 |
| OTHER | 0 | 2 | 0 | 0 | 0 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | |
| YES, OR PROBABLY YES | 73 | 66 | 65 | 67 | 79 |
| NO, OR PROBABLY NO | 19 | 28 | 26 | 2 | 8 |
| WILL RETIRE | 6 | 4 | 9 | 30 | 13 |
| OTHER | 2 | 1 | 0 | 0 | 0 |

NOTE: Columns may not add to 100 percent due to rounding

TABLE 90 (CONTINUED)

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
ACTIVE DUTY
 (PERCENT MEMBERS RESPONDING)

| | SUPERVISOR (STG248) (N=417) | CAMS (STG520) (N=98) | TRAINING (STG379) (N=73) | MOBILITY (STG512) (N=40) | TO (STG546) (N=26) |
|--|-----------------------------------|----------------------------|--------------------------------|--------------------------------|--------------------------|
| EXPRESSED JOB INTEREST: | | | | | |
| INTERESTING | 80 | 67 | 82 | 85 | 38 |
| SO-SO | 13 | 19 | 11 | 13 | 23 |
| DULL | 6 | 13 | 7 | 3 | 38 |
| PERCEIVED UTILIZATION OF TALENTS: | | | | | |
| FAIRLY WELL TO PERFECTLY | 89 | 78 | 90 | 90 | 50 |
| LITTLE OR NOT AT ALL | 11 | 21 | 10 | 10 | 50 |
| PERCEIVED UTILIZATION OF TRAINING: | | | | | |
| FAIRLY WELL TO PERFECTLY | 76 | 58 | 81 | 56 | 46 |
| LITTLE OR NOT AT ALL | 24 | 42 | 19 | 45 | 54 |
| SENSE OF ACCOMPLISHMENT GAINED FROM WORK: | | | | | |
| SATISFIED | 75 | 62 | 84 | 83 | 50 |
| NEUTRAL | 12 | 15 | 1 | 5 | 23 |
| DISSATISFIED | 13 | 22 | 15 | 10 | 27 |
| OTHER | 0 | 0 | 0 | 3 | 0 |
| REENLISTMENT INTENTIONS: | | | | | |
| YES, OR PROBABLY YES | 66 | 65 | 79 | 65 | 58 |
| NO, OR PROBABLY NO | 6 | 20 | 10 | 8 | 23 |
| WILL RETIRE | 27 | 13 | 11 | 25 | 19 |
| OTHER | 1 | 1 | 0 | 3 | 0 |

NOTE: Columns may not add to 100 percent due to rounding

The FTD Instructor and QA Evaluator jobs had the highest job satisfaction ratings. Airmen in these two groups are experienced personnel holding either a 5- or 7-skill level, with no first-enlistment airmen in these jobs. Overall, job satisfaction indicators for the active duty Aerospace Maintenance are average for the career field, but lower than their ANG and AFRC counterparts (see Tables 90 and 92).

AFRC JOB SATISFACTION

Responses to job interest, perceived use of talents and training, and sense of accomplishment are average for AFRC personnel. As with the active duty personnel, review of the job satisfaction data for personnel in the specialty jobs identified in this survey reveals that the jobs people in this career ladder are performing have a high impact on how they perceive their level of satisfaction.

The specialty groups with the highest rated job satisfaction are Maintenance Control Job and Training Cluster. Maintenance Control personnel rated 3 out of the 4 satisfaction indicators with 100 percent satisfied.

The Isochronal Inspector, Phase Inspector, and Dock Inspector had the lowest job satisfaction rating for the Reserves specialty jobs. These three groups constitute 4 percent of the AFRC survey sample. Each of these groups rated "Expressed Job Interest" with moderately low satisfaction rating (57 percent, 63 percent, and 63 percent, respectively). "Sense of Accomplishment Gained From Work" was rated average to low (71 percent, 63 percent, and 73 percent, respectively). The other three satisfaction indicators were average for the career field. Both the Isochronal Inspector and Phase Inspector jobs are manned by mostly 5-skill level personnel, along with a few 7-skill level personnel. The Dock Inspector Cluster is manned primarily by 3- or 5-skill level airmen.

Reserve data reflects a medium to high rating for "Reenlistment Intentions" and "Perceived Utilization Of Talents." Job Satisfaction ratings for the specialty jobs are displayed in Table 91. Overall, satisfaction indicators for the AFRC are average to high, with strong reenlistment intentions.

ANG JOB SATISFACTION

ANG job satisfaction indicators suggest that members of this group have the highest job satisfaction rating than for the Air Force Active Duty and the ANG counterparts. As a whole, guardsmen rated the five satisfaction questions with the higher rating (see Table 92). Their highest rated area was "Perceived Utilization of Training" rated at 93 percent, 4 percent higher

TABLE 91

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
(PERCENT MEMBERS RESPONDING)

AIR FORCE RESERVES

| | FLIGHTLINE MAINTENANCE (N=57) | ISOCHRONAL INSPECTOR (N=7) | PHASE INSPECTOR (N=8) | DOCK INSPECTOR (N=52) |
|--|-------------------------------------|----------------------------------|-----------------------------|-----------------------------|
| <u>EXPRESSED JOB INTEREST:</u> | | | | |
| INTERESTING | 82 | 57 | 63 | 63 |
| SO-SO | 14 | 43 | 13 | 29 |
| DULL | 4 | 0 | 25 | 8 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | |
| FAIRLY WELL TO PERFECTLY | 78 | 86 | 88 | 75 |
| LITTLE OR NOT AT ALL | 23 | 14 | 13 | 25 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | |
| FAIRLY WELL TO PERFECTLY | 88 | 86 | 75 | 75 |
| LITTLE OR NOT AT ALL | 12 | 14 | 25 | 25 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | |
| SATISFIED | 63 | 71 | 63 | 73 |
| NEUTRAL | 19 | 29 | 0 | 17 |
| DISSATISFIED | 18 | 0 | 38 | 10 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | |
| YES, OR PROBABLY YES | 84 | 71 | 88 | 81 |
| NO, OR PROBABLY NO | 9 | 29 | 0 | 10 |
| WILL RETIRE | 7 | 0 | 13 | 10 |

NOTE: Columns may not total 100 percent due to rounding

TABLE 91 (CONTINUED)

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
(PERCENT MEMBERS RESPONDING)

AIR FORCE RESERVES

| | CREW CHIEF (N=958) | QA EVALUATOR (N=17) | AERO REPAIR (N=143) | -21 AME SUPPORT (N=57) |
|--|--------------------------|---------------------------|---------------------------|------------------------------|
| <u>EXPRESSED JOB INTEREST:</u> | | | | |
| INTERESTING | 82 | 88 | 80 | 63 |
| SO-SO | 12 | 12 | 13 | 30 |
| DULL | 5 | 0 | 6 | 7 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | |
| FAIRLY WELL TO PERFECTLY | 86 | 100 | 85 | 81 |
| LITTLE OR NOT AT ALL | 14 | 0 | 15 | 19 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | |
| FAIRLY WELL TO PERFECTLY | 90 | 100 | 92 | 91 |
| LITTLE OR NOT AT ALL | 10 | 0 | 8 | 9 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | |
| SATISFIED | 77 | 88 | 78 | 70 |
| NEUTRAL | 11 | 6 | 10 | 19 |
| DISSATISFIED | 12 | 6 | 12 | 11 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | |
| YES, OR PROBABLY YES | 87 | 88 | 87 | 75 |
| NO, OR PROBABLY NO | 6 | 0 | 3 | 7 |
| WILL RETIRE | 7 | 12 | 10 | 18 |

NOTE: Columns may not total 100 percent due to rounding

TABLE 91 (CONTINUED)

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
 (PERCENT MEMBERS RESPONDING)

AIR FORCE RESERVES

| | FLIGHTLINE EXPEDITER (N=17) | MAINTENANCE CONTROL (N=5) | SUPERVISOR (N=58) | CAMS (N=18) | TRAINING (N=5) |
|--|-----------------------------------|---------------------------------|----------------------|----------------|-------------------|
| <u>EXPRESSED JOB INTEREST:</u> | | | | | |
| INTERESTING | 94 | 100 | 86 | 72 | 100 |
| SO-SO | 6 | 0 | 9 | 22 | 0 |
| DULL | 0 | 0 | 5 | 6 | 0 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 100 | 100 | 92 | 95 | 100 |
| LITTLE OR NOT AT ALL | 0 | 0 | 9 | 6 | 0 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 100 | 100 | 86 | 89 | 100 |
| LITTLE OR NOT AT ALL | 0 | 0 | 14 | 11 | 0 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | | |
| SATISFIED | 94 | 60 | 76 | 78 | 100 |
| NEUTRAL | 6 | 40 | 10 | 6 | 0 |
| DISSATISFIED | 0 | 0 | 14 | 17 | 0 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | |
| YES, OR PROBABLY YES | 76 | 100 | 76 | 89 | 80 |
| NO, OR PROBABLY NO | 12 | 0 | 2 | 0 | 0 |
| WILL RETIRE | 12 | 0 | 22 | 11 | 20 |

NOTE: Columns may not total 100 percent due to rounding

TABLE 92

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
(PERCENT MEMBERS RESPONDING)
AIR NATIONAL GUARD

| | FLIGHTLINE MAINTENANCE (N=36) | DOCK INSPECTOR (N=25) | CREW CHIEF (N=645) | QUALITY ASSURANCE (N=15) | AERO REPAIR (N=69) |
|--|-------------------------------------|-----------------------------|--------------------------|--------------------------------|--------------------------|
| <u>EXPRESSED JOB INTEREST:</u> | | | | | |
| INTERESTING | 89 | 76 | 89 | 100 | 78 |
| SO-SO | 8 | 16 | 7 | 0 | 16 |
| DULL | 3 | 8 | 4 | 0 | 6 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 81 | 88 | 90 | 100 | 91 |
| LITTLE OR NOT AT ALL | 19 | 12 | 10 | 0 | 9 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 84 | 82 | 94 | 100 | 92 |
| LITTLE OR NOT AT ALL | 17 | 8 | 6 | 0 | 7 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | | |
| SATISFIED | 72 | 80 | 88 | 80 | 77 |
| NEUTRAL | 14 | 8 | 5 | 13 | 17 |
| DISSATISFIED | 11 | 12 | 6 | 7 | 6 |
| OTHER | 3 | 0 | 0 | 0 | 0 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | |
| YES, OR PROBABLY YES | 72 | 92 | 91 | 87 | 87 |
| NO, OR PROBABLY NO | 17 | 8 | 6 | 0 | 7 |
| WILL RETIRE | 11 | 0 | 4 | 13 | 4 |
| OTHER | 0 | 0 | 0 | 0 | 1 |

NOTE: Columns may not total 100 percent due to rounding

TABLE 92 (CONTINUED)

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
(PERCENT MEMBERS RESPONDING)

AIR NATIONAL GUARD

| | -21 AME SUPPORT (N=17) | FLIGHTLINE EXPEDITER (N=8) | MAINTENANCE CONTROL (N=6) | SUPERVISOR (N=23) | CAMS (N=17) |
|--|------------------------------|----------------------------------|---------------------------------|----------------------|----------------|
| <u>EXPRESSED JOB INTEREST:</u> | | | | | |
| INTERESTING | 76 | 88 | 83 | 91 | 76 |
| SO-SO | 24 | 13 | 17 | 0 | 18 |
| DULL | 0 | 0 | 0 | 9 | 6 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 82 | 100 | 67 | 91 | 88 |
| LITTLE OR NOT AT ALL | 18 | 0 | 33 | 9 | 12 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 83 | 88 | 67 | 91 | 95 |
| LITTLE OR NOT AT ALL | 18 | 13 | 33 | 9 | 6 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | | |
| SATISFIED | 76 | 75 | 50 | 91 | 71 |
| NEUTRAL | 12 | 13 | 50 | 0 | 6 |
| DISSATISFIED | 12 | 13 | 0 | 9 | 24 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | |
| YES, OR PROBABLY YES | 94 | 100 | 83 | 70 | 94 |
| NO, OR PROBABLY NO | 6 | 0 | 0 | 0 | 0 |
| WILL RETIRE | 0 | 0 | 17 | 30 | 6 |

NOTE: Columns may not total 100 percent due to rounding

than the AFRC, and 11 percent higher than active duty. "Perceived Utilization of Talents" and "Reenlistment Intentions" were both rated at 89 percent. Active duty members rated these same indicators with 81 percent and 69 percent, with 84 and 85 percent respectively, for AFRC.

The specialty groups with the highest rated job satisfaction indicators for the ANG are the QA and Flight Line Expediter jobs. These two groups are composed of a few guardsmen holding a 7- or 9-skill level. Maintenance Control and Flight Line Maintenance had the lowest job satisfaction rating for the ANG with an average rating (see Table 92). These two groups are manned by experienced 5- and 7-skill level airmen and make up 4 percent of the ANG survey sample. Overall, satisfaction indicators for the ANG are positive and indicate strong reenlistment intentions.

IMPLICATIONS

From the standpoint of the data gathered during the occupational survey, the AFSC 2A5X1 career ladder structure reflects a fairly homogeneous specialty. The Crew Chief Cluster comprises 52 percent of the survey sample, while the remaining members work either in a supervisory or management job, or in one of several support jobs. Overall job progression is normal and shows a distinct pattern as one moves from the 3- to the 9-skill level.

Some MAJCOM differences were evident. These differences were evident in such areas as average number of tasks performed by personnel, percentage of relative job time spent on duties, and mission driven jobs. The job satisfaction analysis shows Aerospace Maintenance personnel are relatively content with guardsmen and reservists reporting higher satisfaction ratings than their active duty counterparts. Further investigation is suggested for active duty personnel in the area of job interest and utilization of talents. Finally, a thorough review of all the data displayed in STSs products needs to be accomplished by SMEs and experienced training personnel. This review assures that the numerous 3-skill level STSs are comprehensive and accurate, and identify the appropriate training requirements.

APPENDIX A

**SELECTED REPRESENTATIVE TASKS PERFORMED BY
MEMBERS OF AEROSPACE MAINTENANCE CAREER LADDER JOBS**

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TABLE A1
TRANSIENT ALERT JOB

| TASKS | PERCENT MEMBERS PERFORMING (N=17) |
|---|--|
| E307 Position fire extinguishers | 100 |
| E251 Launch or recover aircraft | 100 |
| E294 Perform aircraft fueling or defueling | 100 |
| E179 Connect or disconnect external electrical aircraft power | 100 |
| A27 Direct aircraft refueling or defueling operations | 100 |
| E297 Perform foreign object damage (FOD) walks | 94 |
| E304 Perform wing or tail walker procedures during aircraft towing | 94 |
| E303 Perform tow vehicle operator procedures during aircraft towing | 94 |
| E302 Perform tow supervisor procedures during aircraft towing | 88 |
| E181 Debrief aircrews | 82 |
| M891 Perform preuse inspections of powered AGE | 82 |
| M890 Perform preuse inspections of nonpowered AGE | 82 |
| E293 Perform aircraft fuel spill cleanup procedures | 82 |
| E387 Service aircraft LOX systems | 82 |
| E295 Perform brake rider procedures during aircraft towing | 82 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 76 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 76 |
| E389 Service aircraft tires | 76 |
| E381 Remove snow or ice from aircraft | 71 |
| A17 Determine or establish work assignments or priorities | 71 |
| A14 Counsel subordinates concerning personal matters | 71 |
| A11 Coordinate aircraft launch and recovery times with aircrews or appropriate agencies | 65 |
| A76 Supervise military personnel | 65 |
| B101 Maintain training records or files | 65 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 65 |
| A10 Conduct supervisory performance feedback sessions | 59 |
| E183 Dispose of hazardous materials | 59 |
| D137 Coordinate maintenance of equipment with appropriate agencies | 59 |
| D146 Issue or log turn-ins of equipment, tools, parts, or supplies | 59 |
| A78 Write performance reports or supervisory appraisals | 53 |
| D138 Coordinate supply-related matters with appropriate agencies | 53 |
| E174 Classify aircraft fuel spills or leaks | 53 |

TABLE A2
FLIGHTLINE MAINTENANCE CLUSTER

| TASKS | PERCENT MEMBERS PERFORMING (N=193) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 93 |
| E179 Connect or disconnect external electrical aircraft power | 93 |
| E304 Perform wing or tail walker procedures during aircraft towing | 93 |
| E261 Open or close engine cowlings, panels, or doors | 92 |
| E389 Service aircraft tires | 88 |
| E264 Operate aircraft interphones | 88 |
| E251 Launch or recover aircraft | 86 |
| E294 Perform aircraft fueling or defueling | 86 |
| E394 Service engines with oil | 84 |
| E175 Clean aircraft windshields | 84 |
| E307 Position fire extinguishers | 80 |
| E176 Clean interior of aircraft | 76 |
| E386 Service aircraft hydraulic systems | 68 |
| E257 Lubricate aircraft components | 67 |
| E295 Perform brake rider procedures during aircraft towing | 67 |
| E194 Inspect aircraft shock struts | 66 |
| E188 Inspect access doors, hatches, or panels | 64 |
| K789 Inspect external aircraft lights | 63 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 62 |
| E195 Inspect aircraft windows or windshields | 61 |
| F425 Inspect aircraft wheel and tire assemblies | 59 |
| E387 Service aircraft LOX systems | 58 |
| E250 Jack or level aircraft | 56 |
| E190 Inspect aircraft for corrosion | 54 |
| E227 Inspect portable fire extinguishers | 51 |
| F451 Inspect landing gear struts | 48 |
| J778 Transfer fuel within aircraft | 48 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 46 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 46 |
| M891 Perform preuse inspections of powered AGE | 45 |
| K805 Remove or install aircraft batteries | 45 |
| M890 Perform preuse inspections of nonpowered AGE | 44 |
| E392 Service engine CSDs or IDGs | 44 |
| O932 Clear Red-Diagonal conditions | 44 |
| J759 Inspect aircraft for fuel leaks | 42 |
| E187 Drain or replace aircraft engine oil | 42 |
| E265 Operate aircraft radios | 42 |

TABLE A3
ISOCHRONAL INSPECTOR JOB

| TASKS | PERCENT MEMBERS PERFORMING (N=17) |
|---|--|
| E179 Connect or disconnect external electrical aircraft power | 100 |
| E257 Lubricate aircraft components | 94 |
| E304 Perform wing or tail walker procedures during aircraft towing | 94 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 88 |
| E190 Inspect aircraft for corrosion | 88 |
| F425 Inspect aircraft wheel and tire assemblies | 88 |
| E194 Inspect aircraft shock struts | 82 |
| E297 Perform foreign object damage (FOD) walks | 82 |
| E250 Jack or level aircraft | 82 |
| E188 Inspect access doors, hatches, or panels | 76 |
| F450 Inspect landing gear structural components | 71 |
| F451 Inspect landing gear struts | 71 |
| F453 Inspect landing gear up-lock mechanisms | 71 |
| K789 Inspect external aircraft lights | 71 |
| E389 Service aircraft tires | 71 |
| O932 Clear Red-Diagonal conditions | 65 |
| F435 Inspect landing gear door mechanisms | 65 |
| F436 Inspect landing gear down-lock mechanisms | 65 |
| H610 Inspect ailerons | 65 |
| E294 Perform aircraft fueling or defueling | 65 |
| E295 Perform brake rider procedures during aircraft towing | 65 |
| O931 Clear Red-Dash conditions | 59 |
| E264 Operate aircraft interphones | 59 |
| E307 Position fire extinguishers | 59 |
| E314 Remove or install access doors, hatches, or panels | 53 |
| F452 Inspect landing gear trucks, torque struts, or bogies | 53 |
| E261 Open or close engine cowlings, panels, or doors | 53 |
| F430 Inspect brake system components | 53 |
| E352 Remove or install liferafts | 53 |
| F438 Inspect landing gear emergency extension systems | 53 |
| F497 Remove or install wheel and tire assemblies | 53 |
| F446 Inspect landing gear mechanical components, such as drag braces, tow spools, pins, or bushings | 47 |
| E262 Open or close radomes | 47 |
| H614 Inspect elevators | 47 |
| H623 Inspect rudders | 47 |
| E230 Inspect radomes | 47 |
| H628 Inspect trailing edge flaps | 47 |

TABLE A4
PHASE INSPECTOR

| TASKS | PERCENT MEMBERS PERFORMING (N=24) |
|---|--|
| F430 Inspect brake system components | 100 |
| F450 Inspect landing gear structural components | 100 |
| F452 Inspect landing gear trucks, torque struts, or bogies | 100 |
| F453 Inspect landing gear up-lock mechanisms | 100 |
| F451 Inspect landing gear struts | 100 |
| F446 Inspect landing gear mechanical components, such as drag braces, tow spools, pins, or bushings | 100 |
| F436 Inspect landing gear down-lock mechanisms | 100 |
| F435 Inspect landing gear door mechanisms | 100 |
| F425 Inspect aircraft wheel and tire assemblies | 96 |
| F437 Inspect landing gear electrical system components | 96 |
| F443 Inspect landing gear hydraulic system components | 92 |
| F454 Inspect landing gear wheel spin brake pads, such as snubber brakes | 92 |
| F449 Inspect landing gear steering systems | 92 |
| F445 Inspect landing gear leveling cylinders or rods | 92 |
| E297 Perform foreign object damage (FOD) walks | 92 |
| F440 Inspect landing gear extension or retraction components | 92 |
| F439 Inspect landing gear emergency retraction systems | 92 |
| F438 Inspect landing gear emergency extension systems | 92 |
| E304 Perform wing or tail walker procedures during aircraft towing | 88 |
| F431 Inspect landing gear bell cranks | 88 |
| F432 Inspect landing gear bogie pitch systems or axle beam positioners | 88 |
| F448 Inspect landing gear roll pin lock tabs | 88 |
| E179 Connect or disconnect external electrical aircraft power | 88 |
| F429 Inspect brake equalizing or compensating rods | 88 |
| E188 Inspect access doors, hatches, or panels | 88 |
| E389 Service aircraft tires | 83 |
| F456 Inspect nosegear folding bulkhead latching mechanisms or linkages | 83 |
| F428 Inspect bogie trim actuators or roll positioners | 83 |
| E190 Inspect aircraft for corrosion | 83 |
| E307 Position fire extinguishers | 83 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 79 |
| E194 Inspect aircraft shock struts | 79 |
| F442 Inspect landing gear hydraulic snubbers or shimmy dampeners | 79 |
| F441 Inspect landing gear gudgeon pin lock tabs | 75 |

TABLE A5
DOCK INSPECTOR CLUSTER

| TASKS | PERCENT MEMBERS PERFORMING (N=193) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 93 |
| E179 Connect or disconnect external electrical aircraft power | 93 |
| E304 Perform wing or tail walker procedures during aircraft towing | 91 |
| E261 Open or close engine cowlings, panels, or doors | 91 |
| E257 Lubricate aircraft components | 89 |
| E188 Inspect access doors, hatches, or panels | 85 |
| E190 Inspect aircraft for corrosion | 85 |
| E264 Operate aircraft interphones | 85 |
| E194 Inspect aircraft shock struts | 84 |
| E195 Inspect aircraft windows or windshields | 83 |
| E307 Position fire extinguishers | 77 |
| E389 Service aircraft tires | 77 |
| E295 Perform brake rider procedures during aircraft towing | 74 |
| E250 Jack or level aircraft | 74 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 73 |
| E294 Perform aircraft fueling or defueling | 73 |
| E176 Clean interior of aircraft | 70 |
| E175 Clean aircraft windshields | 70 |
| E227 Inspect portable fire extinguishers | 66 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 66 |
| E251 Launch or recover aircraft | 63 |
| F425 Inspect aircraft wheel and tire assemblies | 60 |
| E265 Operate aircraft radios | 60 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 59 |
| E210 Inspect crew door systems | 59 |
| E262 Open or close radomes | 59 |
| E234 Inspect seat locking mechanisms | 59 |
| E386 Service aircraft hydraulic systems | 58 |
| E229 Inspect pressure seals, such as crew door, ramp, or visor seals | 57 |
| E314 Remove or install access doors, hatches, or panels | 56 |
| E204 Inspect cargo door or ramp mechanical components | 56 |
| F451 Inspect landing gear struts | 56 |
| E394 Service engines with oil | 56 |
| E218 Inspect ladder systems, such as entry, flight station, or troop compartment | 55 |
| E230 Inspect radomes | 55 |

TABLE A6
CREW CHIEF CLUSTER

| TASKS | PERCENT MEMBERS PERFORMING (N=3,615) |
|---|---|
| E261 Open or close engine cowlings, panels, or doors | 98 |
| E179 Connect or disconnect external electrical aircraft power | 98 |
| E297 Perform foreign object damage (FOD) walks | 97 |
| E264 Operate aircraft interphones | 97 |
| E304 Perform wing or tail walker procedures during aircraft towing | 96 |
| E389 Service aircraft tires | 96 |
| E294 Perform aircraft fueling or defueling | 96 |
| E194 Inspect aircraft shock struts | 95 |
| E195 Inspect aircraft windows or windshields | 95 |
| E251 Launch or recover aircraft | 94 |
| K789 Inspect external aircraft lights | 94 |
| E175 Clean aircraft windshields | 94 |
| E307 Position fire extinguishers | 94 |
| E257 Lubricate aircraft components | 93 |
| E188 Inspect access doors, hatches, or panels | 93 |
| E295 Perform brake ridge procedures during aircraft towing | 93 |
| E394 Service engines with oil | 92 |
| E386 Service aircraft hydraulic systems | 92 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 92 |
| F425 Inspect aircraft wheel and tire assemblies | 92 |
| E227 Inspect portable fire extinguishers | 90 |
| E190 Inspect aircraft for corrosion | 89 |
| E176 Clean interior of aircraft | 89 |
| K805 Remove or install aircraft batteries | 88 |
| F451 Inspect landing gear struts | 88 |
| L835 Inspect engine cowling, panel, or door latches | 87 |
| K792 Inspect internal aircraft lights, other than emergency lights | 87 |
| O932 Clear Red-Diagonal conditions | 87 |
| J759 Inspect aircraft for fuel leaks | 87 |
| E250 Jack or level aircraft | 86 |
| J778 Transfer fuel within aircraft | 86 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 86 |
| E230 Inspect radomes | 86 |
| O931 Clear Red-Dash conditions | 85 |
| E265 Operate aircraft radios | 85 |
| K790 Inspect external power receptacles | 85 |

TABLE A7
DEPOT INSPECTOR JOB

| TASKS | PERCENT MEMBERS PERFORMING (N=16) |
|---|--|
| E188 Inspect access doors, hatches, or panels | 100 |
| E257 Lubricate aircraft components | 100 |
| E206 Inspect cargo ramp seals | 100 |
| E229 Inspect pressure seals, such as crew door, ramp, or visor seals | 100 |
| E195 Inspect aircraft windows or windshields | 100 |
| E190 Inspect aircraft for corrosion | 94 |
| E204 Inspect cargo door or ramp mechanical components | 94 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 94 |
| E176 Clean interior of aircraft | 94 |
| E210 Inspect crew door systems | 94 |
| E314 Remove or install access doors, hatches, or panels | 94 |
| E313 Remove or install access door or hatch pressure seals | 94 |
| E153 Adjust access door or hatch latching mechanisms or linkages | 94 |
| E297 Perform foreign object damage (FOD) walks | 94 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 88 |
| E218 Inspect ladder systems, such as entry, flight station, or troop compartment | 88 |
| O931 Clear Red-Dash conditions | 88 |
| O932 Clear Red-Diagonal conditions | 88 |
| E243 Inspect troop door systems | 88 |
| E238 Inspect sliding or swinging window mechanisms or rollers | 88 |
| E382 Repair seats | 88 |
| E261 Open or close engine cowlings, panels, or doors | 88 |
| E237 Inspect side cargo door mechanical components | 81 |
| K792 Inspect internal aircraft lights, other than emergency lights | 81 |
| E312 Remove or install access door or hatch latching mechanisms or linkages | 81 |
| E179 Connect or disconnect external electrical aircraft power | 81 |
| E264 Operate aircraft interphones | 81 |
| E167 Adjust seat locking mechanisms | 81 |
| E203 Inspect cargo compartment pressure doors | 75 |
| E234 Inspect seat locking mechanisms | 75 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 75 |
| K791 Inspect fuse, circuit breaker, power control assemblies (PCASs), or current limiter panels | 75 |

TABLE A8
QUALITY ASSURANCE EVALUATOR JOB

| TASKS | PERCENT MEMBERS PERFORMING (N=88) |
|--|--|
| E230 Inspect radomes | 95 |
| E190 Inspect aircraft for corrosion | 93 |
| E194 Inspect aircraft shock struts | 93 |
| K789 Inspect external aircraft lights | 93 |
| F451 Inspect landing gear struts | 91 |
| F450 Inspect landing gear structural components | 91 |
| E195 Inspect aircraft windows or windshields | 90 |
| L836 Inspect engine cowlings, panels, or doors | 90 |
| F425 Inspect aircraft wheel and tire assemblies | 90 |
| F435 Inspect landing gear door mechanisms | 90 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 90 |
| H623 Inspect rudders | 90 |
| E188 Inspect access doors, hatches, or panels | 89 |
| E210 Inspect crew door systems | 89 |
| K792 Inspect internal aircraft lights, other than emergency lights | 89 |
| K790 Inspect external power receptacles | 89 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 88 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 88 |
| A6 Conduct safety inspections of equipment or facilities | 88 |
| L835 Inspect engine cowling, panel, or door latches | 88 |
| F430 Inspect brake system components | 88 |
| F449 Inspect landing gear steering systems | 88 |
| E227 Inspect portable fire extinguishers | 86 |
| E199 Inspect antennas | 85 |
| I695 Inspect hydraulic system accumulators | 85 |
| H614 Inspect elevators | 85 |
| L829 Inspect engine air inlet or exhaust areas | 83 |
| L844 Inspect engine nacelles | 83 |
| K785 Inspect aircraft batteries or aircraft battery components | 83 |
| F453 Inspect landing gear up-lock mechanisms | 83 |
| F452 Inspect landing gear trucks, torque struts, or bogies | 82 |
| F436 Inspect landing gear down-lock mechanisms | 82 |

TABLE A9
FIELD TRAINING DETACHMENT INSTRUCTOR JOB

| TASKS | PERCENT MEMBERS PERFORMING (N=34) |
|--|--|
| E179 Connect or disconnect external electrical aircraft power | 97 |
| E261 Open or close engine cowlings, panels, or doors | 97 |
| B97 Evaluate progress of trainees | 94 |
| E264 Operate aircraft interphones | 91 |
| M891 Perform preuse inspections of powered AGE | 91 |
| F425 Inspect aircraft wheel and tire assemblies | 91 |
| E194 Inspect aircraft shock struts | 88 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 85 |
| B88 Counsel trainees on training progress | 85 |
| E307 Position fire extinguishers | 85 |
| M890 Perform preuse inspections of nonpowered AGE | 85 |
| A27 Direct aircraft refueling or defueling operations | 85 |
| E386 Service aircraft hydraulic systems | 85 |
| E389 Service aircraft tires | 85 |
| I738 Service aircraft accumulators | 85 |
| B102 Personalize lesson plans | 82 |
| A29 Direct training functions | 82 |
| E188 Inspect access doors, hatches, or panels | 82 |
| B85 Conduct formal course classroom training | 79 |
| B81 Administer or score tests | 79 |
| B92 Develop training materials or aids | 79 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 79 |
| E304 Perform wing or tail walker procedures during aircraft towing | 79 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 76 |
| A60 Inspect personnel for compliance with military standards | 74 |
| B86 Conduct OJT | 74 |
| E297 Perform foreign object damage (FOD) walks | 74 |
| E227 Inspect portable fire extinguishers | 74 |
| E257 Lubricate aircraft components | 74 |
| E302 Perform tow supervisor procedures during aircraft towing | 74 |
| B103 Plan or schedule training | 71 |
| B96 Evaluate personnel to determine training needs | 71 |
| E294 Perform aircraft fueling or defueling | 71 |
| I742 Service hydraulic system reservoirs | 71 |
| E394 Service engines with oil | 71 |

TABLE A10
ON THE JOB TRAINING INSTRUCTOR

| TASKS | PERCENT MEMBERS PERFORMING (N=16) |
|--|--|
| E179 Connect or disconnect external electrical aircraft power | 100 |
| B87 Conduct training conferences, briefings or debriefings | 100 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 100 |
| A37 Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs) | 100 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 94 |
| A14 Counsel subordinates concerning personal matters | 94 |
| A29 Direct training functions | 94 |
| A42 Evaluate in-process maintenance | 94 |
| A61 Interpret policies, directives, or procedures for subordinates | 94 |
| E297 Perform foreign object damage (FOD) walks | 94 |
| B97 Evaluate progress of trainees | 94 |
| A16 Determine or establish publication requirements | 94 |
| B92 Develop training materials or aids | 94 |
| B95 Evaluate effectiveness of training programs, plans, or procedures | 94 |
| A32 Draft supplements or changes to directives, such as regulations, manuals, or indexes | 94 |
| B91 Develop performance tests | 94 |
| A20 Develop or establish work methods or procedures | 94 |
| A44 Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) Program | 94 |
| E175 Clean aircraft windshields | 94 |
| E164 Adjust ladder actuating or latching mechanisms, such as entry, flight station, or troop compartment | 94 |
| E199 Inspect antennas | 94 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 88 |
| A18 Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans | 88 |
| A60 Inspect personnel for compliance with military standards | 88 |
| B86 Conduct OJT | 88 |
| A6 Conduct safety inspections of equipment or facilities | 88 |
| B101 Maintain training records or files | 88 |
| A63 Maintain or update contingency plans, mobility plans, or base support plans | 88 |
| A7 Conduct self-inspections or self-assessments | 88 |

TABLE A11
AERO REPAIR CLUSTER

| TASKS | PERCENT MEMBERS PERFORMING (N=437) |
|--|---|
| H608 Check flight control surface travel, using protractors, templates, or rigging devices | 92 |
| H638 Operationally check rudder systems | 91 |
| H594 Adjust ailerons or aileron system components | 89 |
| H617 Inspect flight control cable tensions | 88 |
| H597 Adjust elevators or elevator system components | 88 |
| H631 Operationally check aileron systems | 87 |
| E250 Jack or level aircraft | 87 |
| E267 Operate landing gear or wheel well doors | 86 |
| H633 Operationally check elevator systems | 86 |
| H677 Troubleshoot rudder systems | 86 |
| H605 Adjust rudders or rudder control mechanisms | 86 |
| E179 Connect or disconnect external electrical aircraft power | 86 |
| H610 Inspect ailerons | 86 |
| H609 Inspect aileron systems | 85 |
| H607 Adjust trailing edge flaps or trailing edge flap system components | 85 |
| H622 Inspect rudder systems | 85 |
| H670 Troubleshoot aileron systems | 84 |
| H642 Remove or install aileron system components | 84 |
| H656 Remove or install rudder system components | 84 |
| H672 Troubleshoot elevator systems | 83 |
| O932 Clear Red-Diagonal conditions | 83 |
| H613 Inspect elevator systems | 82 |
| H643 Remove or install ailerons | 81 |
| H647 Remove or install elevator system components | 81 |
| H623 Inspect rudders | 81 |
| F479 Remove or install landing gear doors | 80 |
| O931 Clear Red-Dash conditions | 79 |
| F418 Adjust landing gear emergency extension systems | 79 |
| H664 Remove or install trailing edge flaps | 79 |
| F435 Inspect landing gear door mechanisms | 79 |
| H614 Inspect elevators | 79 |
| H603 Adjust rudder and brake pedal assemblies | 79 |
| H680 Troubleshoot trailing edge flap systems | 78 |
| F416 Adjust landing gear door latching mechanisms or linkages | 78 |
| F465 Operationally check landing gear extension or retraction systems | 78 |
| H657 Remove or install rudders | 78 |
| E297 Perform foreign object damage (FOD) walks | 78 |
| H648 Remove or install elevators | 77 |

TABLE A12
-21 ALTERNATE MISSION EQUIPMENT SUPPORT CLUSTER

| TASKS | PERCENT MEMBERS PERFORMING (N=169) |
|--|---|
| N920 Remove or install -21 AME, other than seats | 96 |
| N902 Inspect -21 alternate mission equipment (AME), other than emergency equipment | 91 |
| N917 Perform maintenance on -21 AME | 89 |
| N926 Replace portable oxygen bottles | 86 |
| N912 Perform -21 AME downloads or uploads | 85 |
| N913 Perform accountability inspections of -21 AME on aircraft | 85 |
| N918 Perform repairs on cargo compartment seats or litters | 82 |
| N904 Inspect aircraft emergency equipment, such as first-aid kits | 81 |
| N909 Operationally check cargo loading winches | 80 |
| N906 Maintain cargo loading winches | 79 |
| N911 Pack or unpack -21 AME | 74 |
| N925 Remove or install dual-rail or -135 cargo handling system components | 65 |
| N914 Perform corrosion control on -21 AME | 65 |
| N905 Inspect dual-rail or -135 cargo handling systems | 64 |
| N901 Adjust dual-rail or -135 cargo handling system components | 61 |
| N927 Troubleshoot dual-rail or -135 cargo handling systems | 58 |
| N910 Operationally check dual-rail or -135 cargo handling systems | 54 |
| E179 Connect or disconnect external electrical aircraft power | 53 |
| E297 Perform foreign object damage (FOD) walks | 51 |
| D145 Inventory equipment, tools, parts, or supplies | 51 |
| N915 Perform corrosion control on dual-rail or -135 cargo handling systems | 51 |
| O932 Clear Red-Diagonal conditions | 51 |
| A6 Conduct safety inspections of equipment or facilities | 50 |
| O931 Clear Red-Dash conditions | 49 |
| N923 Remove or install air deflectors for troop drops | 49 |
| N921 Remove or install ADS cables | 48 |
| D152 Store equipment, tools, parts, or supplies | 46 |
| N899 Adjust ADS cables | 45 |
| N903 Inspect air deflectors for troop drops | 45 |
| A40 Evaluate aircraft configuration changes | 43 |
| E382 Repair seats | 42 |
| E227 Inspect portable fire extinguishers | 42 |
| D151 Pick up or deliver equipment, tools, parts, or supplies | 41 |
| D140 Evaluate serviceability of equipment, tools, parts, or supplies | 40 |
| B86 Conduct OJT | 40 |

TABLE A13
EQUIPMENT MANAGEMENT CLUSTER

| TASKS | PERCENT MEMBERS PERFORMING (N=211) |
|--|---|
| D152 Store equipment, tools, parts, or supplies | 88 |
| D145 Inventory equipment, tools, parts, or supplies | 84 |
| D146 Issue or log turn-ins of equipment, tools, parts, or supplies | 79 |
| D140 Evaluate serviceability of equipment, tools, parts, or supplies | 77 |
| D141 Identify and report equipment or supply problems | 64 |
| D151 Pick up or deliver equipment, tools, parts, or supplies | 62 |
| D144 Initiate requisitions for equipment, tools, parts, or supplies | 54 |
| D147 Maintain benchstock parts or equipment levels | 51 |
| D142 Initiate documentation to turn in excess or surplus property | 51 |
| A6 Conduct safety inspections of equipment or facilities | 46 |
| A39 Establish procedures for accountability of equipment, tools, parts, or supplies | 46 |
| D138 Coordinate supply-related matters with appropriate agencies | 44 |
| D148 Maintain documentation on items requiring periodic inspections | 42 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 41 |
| A7 Conduct self-inspections or self-assessments | 40 |
| D150 Maintain precision measurement equipment (PME) calibration schedules | 36 |
| D143 Initiate letters of justification for supply-related matters | 34 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 34 |
| D137 Coordinate maintenance of equipment with appropriate agencies | 33 |
| A76 Supervise military personnel | 33 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 31 |

TABLE A14
FLIGHT LINE EXPEDITER

| TASKS | PERCENT MEMBERS PERFORMING (N=154) |
|--|---|
| A17 Determine or establish work assignments or priorities | 93 |
| A12 Coordinate cannibalization of parts with appropriate agencies | 92 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 89 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 88 |
| A76 Supervise military personnel | 86 |
| O933 Clear Red-X conditions | 83 |
| A11 Coordinate aircraft launch and recovery times with aircrews or appropriate agencies | 73 |
| O931 Clear Red-Dash conditions | 69 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 69 |
| A15 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 69 |
| A60 Inspect personnel for compliance with military standards | 68 |
| O929 Adjust daily maintenance plans to meet operation commitments | 66 |
| O932 Clear Red-Diagonal conditions | 65 |
| A14 Counsel subordinates concerning personal matters | 65 |
| A69 Plan or schedule work assignments or priorities | 64 |
| O941 Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 63 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 62 |
| A42 Evaluate in-process maintenance | 61 |
| A73 Review flight schedules | 60 |
| D137 Coordinate maintenance of equipment with appropriate agencies | 56 |
| A27 Direct aircraft refueling or defueling operations | 55 |
| D138 Coordinate supply-related matters with appropriate agencies | 55 |
| E297 Perform foreign object damage (FOD) walks | 55 |
| A40 Evaluate aircraft configuration changes | 54 |
| O947 Review preventive maintenance schedules | 50 |
| O945 Retrieve CAMS or G0-81 listings or reports | 50 |
| A61 Interpret policies, directives, or procedures for subordinates | 49 |

TABLE A15
MAINTENANCE CONTROL JOB

| TASKS | PERCENT MEMBERS PERFORMING (N=50) |
|--|--|
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 94 |
| A11 Coordinate aircraft launch and recovery times with aircrews or appropriate agencies | 86 |
| A17 Determine or establish work assignments or priorities | 86 |
| A76 Supervise military personnel | 82 |
| O945 Retrieve CAMS or G0-81 listings or reports | 80 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 74 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 74 |
| B101 Maintain training records or files | 74 |
| O952 Verify accuracy of CAMS or G0-81 daily inputs | 72 |
| A73 Review flight schedules | 72 |
| A14 Counsel subordinates concerning personal matters | 72 |
| O930 Analyze CAMS or G0-81 data | 68 |
| A12 Coordinate cannibalization of parts with appropriate agencies | 68 |
| A38 Establish performance standards for subordinates | 68 |
| A10 Conduct supervisory performance feedback sessions | 66 |
| A20 Develop or establish work methods or procedures | 64 |
| B97 Evaluate progress of trainees | 64 |
| A61 Interpret policies, directives, or procedures for subordinates | 62 |
| A60 Inspect personnel for compliance with military standards | 62 |
| B86 Conduct OJT | 62 |
| C125 Maintain or update status indicators, such as boards, graphs, or charts | 60 |
| A69 Plan or schedule work assignments or priorities | 60 |
| A78 Write performance reports or supervisory appraisals | 60 |
| A21 Develop or establish work schedules | 60 |
| A7 Conduct self-inspections or self-assessments | 60 |
| O949 Update maintenance data collection (MDC) data in CAMS or G0-81 | 58 |
| O934 Compile data for records, reports, logs, or trend analyses | 56 |
| D138 Coordinate supply-related matters with appropriate agencies | 56 |
| A18 Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans | 56 |
| P962 Don or doff chemical warfare personal protective clothing | 54 |

TABLE A16
SUPERVISOR CLUSTER

| TASKS | PERCENT MEMBERS PERFORMING (N=498) |
|--|---|
| A14 Counsel subordinates concerning personal matters | 94 |
| A76 Supervise military personnel | 92 |
| A60 Inspect personnel for compliance with military standards | 92 |
| A17 Determine or establish work assignments or priorities | 87 |
| A10 Conduct supervisory performance feedback sessions | 87 |
| A78 Write performance reports or supervisory appraisals | 86 |
| A79 Write recommendations for awards or decorations | 86 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 82 |
| A21 Develop or establish work schedules | 82 |
| A7 Conduct self-inspections or self-assessments | 81 |
| A61 Interpret policies, directives, or procedures for subordinates | 81 |
| A9 Conduct supervisory orientations for newly assigned personnel | 77 |
| A2 Assign personnel to work areas or duty positions, other than mobility positions | 76 |
| A38 Establish performance standards for subordinates | 76 |
| A52 Evaluate personnel for promotion, demotion, reclassification, or special awards | 75 |
| A69 Plan or schedule work assignments or priorities | 74 |
| A6 Conduct safety inspections of equipment or facilities | 73 |
| A58 Initiate actions required due to substandard performance of personnel | 72 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 71 |
| A55 Evaluate work schedules | 70 |
| B101 Maintain training records or files | 67 |
| A15 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 67 |
| A74 Schedule personnel for temporary duty (TDY) assignments, leaves, or passes | 66 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 66 |
| A56 Evaluate workload requirements | 65 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 65 |
| A20 Develop or establish work methods or procedures | 65 |
| B97 Evaluate progress of trainees | 65 |

TABLE A17
CORE AUTOMATED MAINTENANCE SYSTEM JOB

| TASKS | PERCENT MEMBERS PERFORMING (N=133) |
|---|---|
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 97 |
| O945 Retrieve CAMS or G0-81 listings or reports | 88 |
| O952 Verify accuracy of CAMS or G0-81 daily inputs | 74 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 70 |
| O930 Analyze CAMS or G0-81 data | 69 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 66 |
| O949 Update maintenance data collection (MDC) data in CAMS or G0-81 | 61 |
| A12 Coordinate cannibalization of parts with appropriate agencies | 61 |
| O934 Compile data for records, reports, logs, or trend analyses | 56 |
| O948 Update historical reports in CAMS or G0-81 | 56 |
| D137 Coordinate maintenance of equipment with appropriate agencies | 47 |
| C125 Maintain or update status indicators, such as boards, graphs, or charts | 44 |
| O929 Adjust daily maintenance plans to meet operation commitments | 44 |
| A11 Coordinate aircraft launch and recovery times with aircrews or appropriate agencies | 41 |
| D138 Coordinate supply-related matters with appropriate agencies | 40 |
| O941 Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 38 |
| A17 Determine or establish work assignments or priorities | 37 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops other than conducting | 35 |
| A76 Supervise military personnel | 29 |
| O933 Clear Red-X conditions | 29 |
| B86 Conduct OJT | 29 |
| O932 Clear Red-Diagonal conditions | 27 |
| O931 Clear Red-Dash conditions | 27 |

TABLE A18
TRAINING CLUSTER

| TASKS | PERCENT MEMBERS PERFORMING (N=78) |
|--|--|
| B95 Evaluate effectiveness of training programs, plans, or procedures | 79 |
| B97 Evaluate progress of trainees | 78 |
| B92 Develop training materials or aids | 78 |
| B103 Plan or schedule training | 77 |
| B93 Develop training programs, plans, or procedures | 76 |
| B101 Maintain training records or files | 76 |
| A29 Direct training functions | 73 |
| B102 Personalize lesson plans | 69 |
| B81 Administer or score tests | 67 |
| B88 Counsel trainees on training progress | 67 |
| B89 Determine training requirements | 67 |
| B105 Procure training aids, space, or equipment | 65 |
| B96 Evaluate personnel to determine training needs | 64 |
| B83 Brief organizational personnel concerning training programs or matters | 63 |
| B85 Conduct formal course classroom training | 60 |
| B100 Inspect training materials or aids for operation or suitability | 59 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 59 |
| B94 Establish or maintain study reference files | 54 |
| B106 Schedule personnel for training | 51 |
| B107 Write test questions | 50 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 50 |
| A14 Counsel subordinates concerning personal matters | 50 |
| B91 Develop performance tests | 49 |
| B90 Develop formal course curricula, plans of instructions (POIs), or specialty training standards (STSs) | 47 |
| B98 Evaluate training methods or techniques of instructors | 47 |
| B87 Conduct training conferences, briefings or debriefings | 46 |
| A7 Conduct self-inspections or self-assessments | 46 |

TABLE A19
MOBILITY JOB

| TASKS | PERCENT MEMBERS PERFORMING (N=40) |
|--|--|
| P967 Identify equipment or personnel requirements for mobility exercises or deployments | 98 |
| P954 Brief deploying personnel | 93 |
| P982 Review availability status of personnel for deployments | 90 |
| P987 Verify eligibility of tasked personnel for deployments | 90 |
| P968 Inspect mobility bags or kits | 90 |
| A18 Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans | 90 |
| P977 Participate in mobility exercise planning meetings | 85 |
| P976 Pack or palletize mobility or contingency equipment for shipment or movement | 83 |
| P953 Assign personnel to mobility positions | 80 |
| P969 Inspect packed or palletized mobility or contingency equipment prior to transport | 80 |
| P960 Conduct mobility training | 78 |
| P983 Review OPLANS to determine unit or personnel responsibilities | 75 |
| P961 Develop mobility inspection checklists | 73 |
| A66 Plan deployments of equipment or personnel | 70 |
| A50 Evaluate mobility, contingency, disaster preparedness, or unit emergency or alert plans | 70 |
| A63 Maintain or update contingency plans, mobility plans, or base support plans | 68 |
| P980 Prepare equipment for deployments | 68 |
| P979 Perform pallet build-up activities | 68 |
| P962 Don or doff chemical warfare personal protective clothing | 68 |
| P970 Monitor mobility deployments kits | 65 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 65 |
| P963 Draft or write mobility exercise or deployment after-action reports | 65 |
| A7 Conduct self-inspections or self-assessments | 63 |
| P974 Operate forklifts during contingency exercises or operations | 60 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 58 |
| P955 Complete operations plans (OPLANS) sourcing requirements | 55 |
| P957 Conduct contingency operation/mobility planning and execution system (COMPES) programs | 55 |

TABLE A20
TECHNICAL ORDERS JOB

| TASKS | PERCENT MEMBERS PERFORMING (N=28) |
|--|--|
| C124 Maintain ATOMS accounts | 100 |
| C128 Maintain technical order libraries | 89 |
| C134 Review technical order changes | 89 |
| C115 Establish automated technical order management system (ATOMS) accounts | 89 |
| C130 Maintain time compliance technical orders (TCTOs) | 75 |
| A7 Conduct self-inspections or self-assessments | 57 |
| C112 Destroy classified materials | 46 |
| A16 Determine or establish publication requirements | 43 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 39 |
| C114 Establish accountability records for classified materials or documents | 32 |
| C129 Maintain technical order operating lists (TOOLS) | 29 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 29 |
| E297 Perform foreign object damage (FOD) walks | 25 |
| O942 Initiate technical order improvement reports | 25 |
| C125 Maintain or update status indicators, such as boards, graphs, or charts | 21 |
| C127 Maintain publication libraries, other than technical order libraries | 21 |
| C122 Inventory classified materials | 21 |
| D145 Inventory equipment tools, parts, or supplies | 21 |
| D151 Pick up or deliver equipment, tools, parts, or supplies | 21 |
| A24 Develop self-inspection or self-assessment program checklists | 21 |
| A8 Conduct staff assistance visits, inspections, or audits | 18 |
| A10 Conduct supervisory performance feedback sessions | 18 |
| P962 Don or doff chemical warfare personal protective clothing | 18 |
| C135 Safeguard classified materials | 18 |
| A19 Develop inspection schedules or procedures | 18 |
| A76 Supervise military personnel | 14 |

APPENDIX B

TOTAL SURVEY SAMPLE OF REPRESENTATIVE TASKS AND TASKS THAT DIFFERENTIATE DAFSCs

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TABLE B1
REPRESENTATIVE TASKS PERFORMED BY ALL DAFSC 2A531X PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=796) |
|--|---|
| E297 Perform foreign object damage (FOD) walks | 87 |
| E179 Connect or disconnect external electrical aircraft power | 85 |
| E264 Operate aircraft interphones | 81 |
| E261 Open or close engine cowlings, panels, or doors | 81 |
| E304 Perform wing or tail walker procedures during aircraft towing | 79 |
| E257 Lubricate aircraft components | 77 |
| E389 Service aircraft tires | 76 |
| E294 Perform aircraft fueling or defueling | 75 |
| E307 Position fire extinguishers | 75 |
| E251 Launch or recover aircraft | 73 |
| E194 Inspect aircraft shock struts | 73 |
| E175 Clean aircraft windshields | 73 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 72 |
| E176 Clean interior of aircraft | 72 |
| E394 Service engines with oil | 72 |
| E188 Inspect access doors, hatches, or panels | 70 |
| F425 Inspect aircraft wheel and tire assemblies | 70 |
| E195 Inspect aircraft windows or windshields | 70 |
| E190 Inspect aircraft for corrosion | 69 |
| E386 Service aircraft hydraulic systems | 69 |
| K789 Inspect external aircraft lights | 69 |
| E295 Perform brake rider procedures during aircraft towing | 69 |
| E227 Inspect portable fire extinguishers | 68 |
| E250 Jack or level aircraft | 67 |
| F451 Inspect landing gear struts | 64 |
| K805 Remove or install aircraft batteries | 62 |
| O932 Clear Red-Diagonal conditions | 61 |
| O931 Clear Red-Dash conditions | 60 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 59 |
| L835 Inspect engine cowling, panel, or door latches | 59 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 59 |
| L835 Inspect engine cowling, panel, or door latches | 59 |
| E170 Bleed brake systems | 59 |
| M890 Perform preuse inspections of nonpowered AGE | 58 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 58 |
| K790 Inspect external power receptacles | 58 |
| K792 Inspect internal aircraft lights, other than emergency lights | 58 |
| E265 Operate aircraft radios | 58 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 58 |
| K790 Inspect external power receptacles | 58 |

TABLE B2
REPRESENTATIVE TASKS PERFORMED BY DAFSC 2A531A PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=112) |
|--|---|
| E297 Perform foreign object damage (FOD) walks | 83 |
| E179 Connect or disconnect external electrical aircraft power | 81 |
| E257 Lubricate aircraft components | 75 |
| E264 Operate aircraft interphones | 74 |
| E261 Open or close engine cowlings, panels, or doors | 72 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 71 |
| E304 Perform wing or tail walker procedures during aircraft towing | 71 |
| E188 Inspect access doors, hatches, or panels | 68 |
| E389 Service aircraft tires | 68 |
| E251 Launch or recover aircraft | 67 |
| E307 Position fire extinguishers | 67 |
| E175 Clean aircraft windshields | 67 |
| E295 Perform brake rider procedures during aircraft towing | 65 |
| E190 Inspect aircraft for corrosion | 64 |
| E294 Perform aircraft fueling or defueling | 64 |
| E250 Jack or level aircraft | 64 |
| E394 Service engines with oil | 63 |
| F425 Inspect aircraft wheel and tire assemblies | 63 |
| E387 Service aircraft LOX systems | 63 |
| E195 Inspect aircraft windows or windshields | 62 |
| E386 Service aircraft hydraulic systems | 61 |
| E227 Inspect portable fire extinguishers | 60 |
| E206 Inspect cargo ramp seals | 60 |
| O932 Clear Red-Diagonal conditions | 59 |
| K789 Inspect external aircraft lights | 59 |
| E194 Inspect aircraft shock struts | 59 |
| E176 Clean interior of aircraft | 57 |
| E392 Service engine CSDs or IDGs | 57 |
| E230 Inspect radomes | 57 |
| J778 Transfer fuel within aircraft | 56 |
| E204 Inspect cargo door or ramp mechanical components | 54 |
| O931 Clear Red-Dash conditions | 54 |
| E210 Inspect crew door systems | 54 |
| F451 Inspect landing gear struts | 54 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 53 |
| E203 Inspect cargo compartment pressure doors | 53 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 53 |
| E201 Inspect blow-out doors | 53 |
| K790 Inspect external power receptacles | 52 |
| E205 Inspect cargo loading struts or tail stands | 52 |

TABLE B3
TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A531B PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=160) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 87 |
| E179 Connect or disconnect external electrical aircraft power | 84 |
| E264 Operate aircraft interphones | 83 |
| E261 Open or close engine cowlings, panels, or doors | 82 |
| E304 Perform wing or tail walker procedures during aircraft towing | 80 |
| E257 Lubricate aircraft components | 79 |
| E194 Inspect aircraft shock struts | 78 |
| E250 Jack or level aircraft | 77 |
| E294 Perform aircraft fueling or defueling | 76 |
| E176 Clean interior of aircraft | 74 |
| E190 Inspect aircraft for corrosion | 74 |
| E389 Service aircraft tires | 74 |
| E307 Position fire extinguishers | 73 |
| E175 Clean aircraft windshields | 73 |
| E188 Inspect access doors, hatches, or panels | 72 |
| E260 Moor aircraft | 72 |
| E195 Inspect aircraft windows or windshields | 72 |
| E251 Launch or recover aircraft | 71 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 69 |
| E387 Service aircraft LOX systems | 69 |
| E262 Open or close radomes | 69 |
| E265 Operate aircraft radios | 68 |
| K789 Inspect external aircraft lights | 68 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 68 |
| E227 Inspect portable fire extinguishers | 67 |
| F425 Inspect aircraft wheel and tire assemblies | 66 |
| E291 Operationally check troop doors | 66 |
| F451 Inspect landing gear struts | 66 |
| E295 Perform brake rider procedures during aircraft towing | 66 |
| E170 Bleed brake systems | 66 |
| E230 Inspect radomes | 64 |
| E352 Remove or install liferafts | 64 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 63 |
| E386 Service aircraft hydraulic systems | 63 |
| E243 Inspect troop door systems | 63 |
| E394 Service engines with oil | 63 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 62 |
| F457 Lubricate main landing gear jack screws | 62 |
| F455 Inspect main landing gear jack screws | 62 |

TABLE B4
REPRESENTATIVE TASKS PERFORMED BY DAFSC 2A531C PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=151) |
|---|---|
| E297 Perform foreign object damage (FOD) walks | 89 |
| E179 Connect or disconnect external electrical aircraft power | 83 |
| E304 Perform wing or tail walker procedures during aircraft towing | 83 |
| E264 Operate aircraft interphones | 82 |
| E389 Service aircraft tires | 79 |
| E261 Open or close engine cowlings, panels, or doors | 79 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 78 |
| E257 Lubricate aircraft components | 78 |
| E307 Position fire extinguishers | 77 |
| E394 Service engines with oil | 77 |
| E387 Service aircraft LOX systems | 75 |
| E294 Perform aircraft fueling or defueling | 74 |
| F425 Inspect aircraft wheel and tire assemblies | 74 |
| E386 Service aircraft hydraulic systems | 73 |
| E194 Inspect aircraft shock struts | 71 |
| O932 Clear Red-Diagonal conditions | 70 |
| E250 Jack or level aircraft | 70 |
| E176 Clean interior of aircraft | 69 |
| E295 Perform brake rider procedures during aircraft towing | 68 |
| K789 Inspect external aircraft lights | 68 |
| F451 Inspect landing gear struts | 68 |
| E175 Clean aircraft windshields | 68 |
| E188 Inspect access doors, hatches, or panels | 67 |
| E251 Launch or recover aircraft | 66 |
| E190 Inspect aircraft for corrosion | 66 |
| E265 Operate aircraft radios | 66 |
| E227 Inspect portable fire extinguishers | 66 |
| F448 Inspect landing gear roll pin lock tabs | 65 |
| K805 Remove or install aircraft batteries | 65 |
| O931 Clear Red-Dash conditions | 64 |
| F457 Lubricate main landing gear jack screws | 64 |
| E195 Inspect aircraft windows or windshields | 64 |
| F455 Inspect main landing gear jack screws | 63 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 62 |
| F441 Inspect landing gear gudgeon pin lock tabs | 62 |
| E204 Inspect cargo door or ramp mechanical components | 62 |
| L835 Inspect engine cowling, panel, or door latches | 61 |
| M890 Perform preuse inspections of nonpowered AGE | 60 |
| K796 Operationally check aircraft batteries | 60 |
| K792 Inspect internal aircraft lights, other than emergency lights | 60 |

TABLE B5
REPRESENTATIVE TASKS PERFORMED BY DAFSC 2A531D PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=80) |
|---|--|
| E297 Perform foreign object damage (FOD) walks | 89 |
| E179 Connect or disconnect external electrical aircraft power | 86 |
| E264 Operate aircraft interphones | 81 |
| E261 Open or close engine cowlings, panels, or doors | 79 |
| F425 Inspect aircraft wheel and tire assemblies | 78 |
| E307 Position fire extinguishers | 78 |
| E257 Lubricate aircraft components | 76 |
| E304 Perform wing or tail walker procedures during aircraft towing | 75 |
| E188 Inspect access doors, hatches, or panels | 73 |
| E389 Service aircraft tires | 73 |
| O931 Clear Red-Dash conditions | 73 |
| E294 Perform aircraft fueling or defueling | 71 |
| E195 Inspect aircraft windows or windshields | 71 |
| O932 Clear Red-Diagonal conditions | 71 |
| K789 Inspect external aircraft lights | 70 |
| E227 Inspect portable fire extinguishers | 70 |
| E387 Service aircraft LOX systems | 69 |
| E251 Launch or recover aircraft | 68 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 68 |
| E176 Clean interior of aircraft | 68 |
| E386 Service aircraft hydraulic systems | 68 |
| E190 Inspect aircraft for corrosion | 66 |
| E175 Clean aircraft windshields | 66 |
| E394 Service engines with oil | 65 |
| E194 Inspect aircraft shock struts | 64 |
| F451 Inspect landing gear struts | 64 |
| E275 Operationally check cargo doors or ramps | 64 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 63 |
| E260 Moor aircraft | 63 |
| E250 Jack or level aircraft | 61 |
| K790 Inspect external power receptacles | 61 |
| E291 Operationally check troop doors | 61 |
| E214 Inspect engine pylons or aprons | 60 |
| L835 Inspect engine cowling, panel, or door latches | 58 |
| E187 Drain or replace aircraft engine oil | 58 |
| K792 Inspect internal aircraft lights, other than emergency lights | 58 |
| E204 Inspect cargo door or ramp mechanical components | 56 |
| E279 Operationally check entry door systems | 55 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 54 |
| L836 Inspect engine cowlings, panels, or doors | 54 |

TABLE B6
REPRESENTATIVE TASKS PERFORMED BY ALL DAFSC 2A531E PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=41) |
|---|--|
| E297 Perform foreign object damage (FOD) walks | 90 |
| E179 Connect or disconnect external electrical aircraft power | 88 |
| E264 Operate aircraft interphones | 88 |
| E261 Open or close engine cowlings, panels, or doors | 85 |
| E194 Inspect aircraft shock struts | 85 |
| E251 Launch or recover aircraft | 83 |
| E386 Service aircraft hydraulic systems | 83 |
| E294 Perform aircraft fueling or defueling | 78 |
| E304 Perform wing or tail walker procedures during aircraft towing | 78 |
| E389 Service aircraft tires | 78 |
| E188 Inspect access doors, hatches, or panels | 78 |
| E257 Lubricate aircraft components | 78 |
| E180 Connect or disconnect hydraulic test stands to or from aircraft | 78 |
| E394 Service engines with oil | 76 |
| E224 Inspect overwing fairings | 76 |
| E190 Inspect aircraft for corrosion | 76 |
| E220 Inspect magnetic chip detectors | 76 |
| E250 Jack or level aircraft | 76 |
| E295 Perform brake rider procedures during aircraft towing | 73 |
| E189 Inspect accessory drive gearboxes (ADGs) | 73 |
| E269 Operate weapons bay doors | 73 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 73 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 71 |
| E307 Position fire extinguishers | 71 |
| E388 Service aircraft nitrogen systems | 71 |
| E392 Service engine CSDs or IDGs | 71 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 68 |
| E195 Inspect aircraft windows or windshields | 68 |
| K789 Inspect external aircraft lights | 68 |
| E245 Inspect weapons bay doors | 68 |
| F451 Inspect landing gear struts | 68 |
| E296 Perform chip detector ohm tests on aircraft components | 68 |
| M890 Perform preuse inspections of nonpowered AGE | 66 |
| E175 Clean aircraft windshields | 66 |
| E396 Service gaseous oxygen systems | 66 |
| E183 Dispose of hazardous materials | 66 |
| E262 Open or close radomes | 66 |
| E391 Service crew or passenger comfort facilities, such as latrines or galleys | 63 |

TABLE B7
REPRESENTATIVE TASKS PERFORMED BY ALL DAFSC 2A531F PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=36) |
|---|--|
| E261 Open or close engine cowlings, panels, or doors | 92 |
| E179 Connect or disconnect external electrical aircraft power | 92 |
| E297 Perform foreign object damage (FOD) walks | 92 |
| E307 Position fire extinguishers | 92 |
| E304 Perform wing or tail walker procedures during aircraft towing | 86 |
| E251 Launch or recover aircraft | 86 |
| K789 Inspect external aircraft lights | 86 |
| E161 Adjust engine cowling, panel, or door latches | 83 |
| L835 Inspect engine cowling, panel, or door latches | 83 |
| E394 Service engines with oil | 83 |
| E175 Clean aircraft windshields | 83 |
| E264 Operate aircraft interphones | 81 |
| E389 Service aircraft tires | 81 |
| E386 Service aircraft hydraulic systems | 81 |
| G565 Remove or install drag chutes | 81 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 81 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 78 |
| E194 Inspect aircraft shock struts | 78 |
| E257 Lubricate aircraft components | 78 |
| L860 Remove or install engine cowlings, panels, or doors | 78 |
| K792 Inspect internal aircraft lights, other than emergency lights | 78 |
| E176 Clean interior of aircraft | 78 |
| E195 Inspect aircraft windows or windshields | 75 |
| E294 Perform aircraft fueling or defueling | 75 |
| L836 Inspect engine cowlings, panels, or doors | 75 |
| E295 Perform brake rider procedures during aircraft towing | 75 |
| L859 Remove or install engine cowling, panel, or door latches | 75 |
| E227 Inspect portable fire extinguishers | 75 |
| F425 Inspect aircraft wheel and tire assemblies | 75 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 75 |
| E188 Inspect access doors, hatches, or panels | 72 |
| E387 Service aircraft LOX systems | 72 |
| M891 Perform preuse inspections of powered AGE | 72 |
| J780 Verify aircraft fuel tank quantity with dipstick or sight gauge | 72 |
| J759 Inspect aircraft for fuel leaks | 72 |
| J778 Transfer fuel within aircraft | 72 |
| I738 Service aircraft accumulators | 72 |
| K790 Inspect external power receptacles | 72 |
| E262 Open or close radomes | 72 |

TABLE B8

REPRESENTATIVE TASKS PERFORMED BY ALL DAFSC 2A531G PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=104) |
|---|---|
| E179 Connect or disconnect external electrical aircraft power | 94 |
| E297 Perform foreign object damage (FOD) walks | 91 |
| E261 Open or close engine cowlings, panels, or doors | 90 |
| E175 Clean aircraft windshields | 87 |
| E304 Perform wing or tail walker procedures during aircraft towing | 85 |
| E264 Operate aircraft interphones | 83 |
| E294 Perform aircraft fueling or defueling | 83 |
| E176 Clean interior of aircraft | 83 |
| E194 Inspect aircraft shock struts | 83 |
| E295 Perform brake rider procedures during aircraft towing | 82 |
| E394 Service engines with oil | 81 |
| E389 Service aircraft tires | 81 |
| E251 Launch or recover aircraft | 80 |
| E307 Position fire extinguishers | 80 |
| E267 Operate landing gear or wheel well doors | 79 |
| E195 Inspect aircraft windows or windshields | 78 |
| E386 Service aircraft hydraulic systems | 78 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 77 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 77 |
| E188 Inspect access doors, hatches, or panels | 76 |
| E227 Inspect portable fire extinguishers | 76 |
| E257 Lubricate aircraft components | 75 |
| K805 Remove or install aircraft batteries | 74 |
| K789 Inspect external aircraft lights | 73 |
| E170 Bleed brake systems | 72 |
| F425 Inspect aircraft wheel and tire assemblies | 70 |
| E369 Remove or install safety devices, such as seat pins or gear locks | 69 |
| E391 Service crew or passenger comfort facilities, such as latrines or galleys | 69 |
| E201 Inspect blow-out doors | 69 |
| G540 Inspect portable oxygen bottles | 69 |
| E190 Inspect aircraft for corrosion | 68 |
| F497 Remove or install wheel and tire assemblies | 68 |
| F471 Remove or install aircraft brake assemblies or brake system components | 68 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 67 |
| F451 Inspect landing gear struts | 67 |
| M891 Perform preuse inspections of powered AGE | 66 |
| I738 Service aircraft accumulators | 66 |
| J759 Inspect aircraft for fuel leaks | 65 |
| L836 Inspect engine cowlings, panels, or doors | 65 |

TABLE B9
REPRESENTATIVE TASKS PERFORMED BY ALL DAFSC 2A531H PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=112) |
|--|---|
| E297 Perform foreign object damage (FOD) walks | 84 |
| E179 Connect or disconnect external electrical aircraft power | 83 |
| E294 Perform aircraft fueling or defueling | 80 |
| E175 Clean aircraft windshields | 80 |
| E261 Open or close engine cowlings, panels, or doors | 80 |
| E176 Clean interior of aircraft | 79 |
| E251 Launch or recover aircraft | 79 |
| E392 Service engine CSDs or IDGs | 79 |
| E264 Operate aircraft interphones | 79 |
| E394 Service engines with oil | 79 |
| E194 Inspect aircraft shock struts | 79 |
| E389 Service aircraft tires | 79 |
| E267 Operate landing gear or wheel well doors | 75 |
| E304 Perform wing or tail walker procedures during aircraft towing | 74 |
| E227 Inspect portable fire extinguishers | 74 |
| E257 Lubricate aircraft components | 74 |
| E295 Perform brake rider procedures during aircraft towing | 74 |
| E195 Inspect aircraft windows or windshields | 73 |
| E396 Service gaseous oxygen systems | 73 |
| K789 Inspect external aircraft lights | 73 |
| E265 Operate aircraft radios | 73 |
| E190 Inspect aircraft for corrosion | 71 |
| F425 Inspect aircraft wheel and tire assemblies | 71 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 71 |
| J759 Inspect aircraft for fuel leaks | 71 |
| E307 Position fire extinguishers | 70 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 69 |
| E183 Dispose of hazardous materials | 69 |
| M891 Perform preuse inspections of powered AGE | 69 |
| E230 Inspect radomes | 69 |
| E386 Service aircraft hydraulic systems | 68 |
| M890 Perform preuse inspections of nonpowered AGE | 68 |
| F451 Inspect landing gear struts | 67 |
| E214 Inspect engine pylons or aprons | 67 |
| J778 Transfer fuel within aircraft | 67 |
| E188 Inspect access doors, hatches, or panels | 65 |
| E212 Inspect crew or passenger comfort facilities, such as latrines or galleys | 64 |
| K790 Inspect external power receptacles | 62 |
| O931 Clear Red-Dash conditions | 61 |
| L835 Inspect engine cowling, panel, or door latches | 61 |

TABLE B10
REPRESENTATIVE TASKS PERFORMED BY ALL DAFSC 2A551X PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=3,548) |
|---|---|
| E179 Connect or disconnect external electrical aircraft power | 80 |
| E297 Perform foreign object damage (FOD) walks | 80 |
| E264 Operate aircraft interphones | 74 |
| E304 Perform wing or tail walker procedures during aircraft towing | 73 |
| E261 Open or close engine cowlings, panels, or doors | 72 |
| E389 Service aircraft tires | 71 |
| E194 Inspect aircraft shock struts | 71 |
| E257 Lubricate aircraft components | 71 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 70 |
| E188 Inspect access doors, hatches, or panels | 69 |
| E307 Position fire extinguishers | 69 |
| E251 Launch or recover aircraft | 68 |
| E294 Perform aircraft fueling or defueling | 68 |
| O932 Clear Red-Diagonal conditions | 68 |
| F425 Inspect aircraft wheel and tire assemblies | 67 |
| E190 Inspect aircraft for corrosion | 67 |
| E250 Jack or level aircraft | 67 |
| O931 Clear Red-Dash conditions | 66 |
| E195 Inspect aircraft windows or windshields | 66 |
| E175 Clean aircraft windshields | 66 |
| E295 Perform brake rider procedures during aircraft towing | 66 |
| E394 Service engines with oil | 64 |
| K789 Inspect external aircraft lights | 64 |
| E386 Service aircraft hydraulic systems | 64 |
| F451 Inspect landing gear struts | 64 |
| E176 Clean interior of aircraft | 63 |
| E227 Inspect portable fire extinguishers | 63 |
| M890 Perform preuse inspections of nonpowered AGE | 59 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 59 |
| M891 Perform preuse inspections of powered AGE | 58 |

TABLE B11
REPRESENTATIVE TASKS PERFORMED BY ALL DAFSC 2A551J PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=2,190) |
|---|---|
| E179 Connect or disconnect external electrical aircraft power | 80 |
| E297 Perform foreign object damage (FOD) walks | 80 |
| E264 Operate aircraft interphones | 73 |
| E304 Perform wing or tail walker procedures during aircraft towing | 72 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 70 |
| E261 Open or close engine cowlings, panels, or doors | 70 |
| E389 Service aircraft tires | 70 |
| E257 Lubricate aircraft components | 70 |
| E194 Inspect aircraft shock struts | 69 |
| E250 Jack or level aircraft | 69 |
| E188 Inspect access doors, hatches, or panels | 68 |
| E307 Position fire extinguishers | 68 |
| E294 Perform aircraft fueling or defueling | 67 |
| O932 Clear Red-Diagonal conditions | 67 |
| E204 Inspect cargo door or ramp mechanical components | 67 |
| E251 Launch or recover aircraft | 66 |
| E190 Inspect aircraft for corrosion | 66 |
| O931 Clear Red-Dash conditions | 65 |
| F425 Inspect aircraft wheel and tire assemblies | 65 |
| E195 Inspect aircraft windows or windshields | 64 |
| E175 Clean aircraft windshields | 64 |
| F451 Inspect landing gear struts | 64 |
| E387 Service aircraft LOX systems | 63 |
| E295 Perform brake rider procedures during aircraft towing | 63 |
| E227 Inspect portable fire extinguishers | 62 |
| K789 Inspect external aircraft lights | 62 |
| E275 Operationally check cargo doors or ramps | 62 |
| E386 Service aircraft hydraulic systems | 62 |
| E176 Clean interior of aircraft | 61 |
| E394 Service engines with oil | 61 |
| E235 Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 60 |
| E210 Inspect crew door systems | 60 |
| E265 Operate aircraft radios | 59 |
| F435 Inspect landing gear door mechanisms | 59 |
| E206 Inspect cargo ramp seals | 59 |
| K792 Inspect internal aircraft lights, other than emergency lights | 57 |
| K790 Inspect external power receptacles | 57 |
| E230 Inspect radomes | 56 |
| H610 Inspect ailerons | 56 |
| M890 Perform preuse inspections of nonpowered AGE | 55 |

TABLE B12
REPRESENTATIVE TASKS PERFORMED BY ALL DAFSC 2A551K PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=306) |
|---|---|
| E179 Connect or disconnect external electrical aircraft power | 81 |
| E297 Perform foreign object damage (FOD) walks | 81 |
| E264 Operate aircraft interphones | 77 |
| E261 Open or close engine cowlings, panels, or doors | 74 |
| E188 Inspect access doors, hatches, or panels | 74 |
| E194 Inspect aircraft shock struts | 74 |
| E304 Perform wing or tail walker procedures during aircraft towing | 74 |
| E257 Lubricate aircraft components | 74 |
| O932 Clear Red-Diagonal conditions | 72 |
| O931 Clear Red-Dash conditions | 72 |
| E295 Perform brake rider procedures during aircraft towing | 72 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 70 |
| E307 Position fire extinguishers | 70 |
| E251 Launch or recover aircraft | 68 |
| E195 Inspect aircraft windows or windshields | 68 |
| E386 Service aircraft hydraulic systems | 68 |
| E294 Perform aircraft fueling or defueling | 67 |
| F425 Inspect aircraft wheel and tire assemblies | 67 |
| E389 Service aircraft tires | 67 |
| E394 Service engines with oil | 66 |
| M891 Perform preuse inspections of powered AGE | 66 |
| E175 Clean aircraft windshields | 66 |
| M890 Perform preuse inspections of nonpowered AGE | 66 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 65 |
| E190 Inspect aircraft for corrosion | 65 |
| K789 Inspect external aircraft lights | 65 |
| E230 Inspect radomes | 65 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 64 |
| E161 Adjust engine cowling, panel, or door latches | 63 |
| L835 Inspect engine cowling, panel, or door latches | 63 |
| E250 Jack or level aircraft | 63 |
| F451 Inspect landing gear struts | 63 |
| K805 Remove or install aircraft batteries | 63 |
| E176 Clean interior of aircraft | 62 |
| E245 Inspect weapons bay doors | 62 |
| J759 Inspect aircraft for fuel leaks | 62 |
| E227 Inspect portable fire extinguishers | 62 |
| I738 Service aircraft accumulators | 61 |
| E392 Service engine CSDs or IDGs | 60 |

TABLE B13
REPRESENTATIVE TASKS PERFORMED BY ALL DAFSC 2A551L PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=1,052) |
|---|---|
| E179 Connect or disconnect external electrical aircraft power | 81 |
| E297 Perform foreign object damage (FOD) walks | 81 |
| E304 Perform wing or tail walker procedures during aircraft towing | 77 |
| E264 Operate aircraft interphones | 76 |
| E261 Open or close engine cowlings, panels, or doors | 76 |
| E389 Service aircraft tires | 75 |
| E194 Inspect aircraft shock struts | 74 |
| E251 Launch or recover aircraft | 72 |
| E294 Perform aircraft fueling or defueling | 72 |
| E307 Position fire extinguishers | 72 |
| E175 Clean aircraft windshields | 72 |
| E257 Lubricate aircraft components | 72 |
| E295 Perform brake rider procedures during aircraft towing | 71 |
| F425 Inspect aircraft wheel and tire assemblies | 70 |
| E188 Inspect access doors, hatches, or panels | 70 |
| O932 Clear Red-Diagonal conditions | 70 |
| E195 Inspect aircraft windows or windshields | 70 |
| E190 Inspect aircraft for corrosion | 70 |
| E394 Service engines with oil | 69 |
| E267 Operate landing gear or wheel well doors | 69 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 68 |
| E176 Clean interior of aircraft | 68 |
| O931 Clear Red-Dash conditions | 67 |
| E386 Service aircraft hydraulic systems | 67 |
| K789 Inspect external aircraft lights | 67 |
| M890 Perform preuse inspections of nonpowered AGE | 65 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 65 |
| F451 Inspect landing gear struts | 65 |
| E250 Jack or level aircraft | 65 |
| M891 Perform preuse inspections of powered AGE | 64 |
| E227 Inspect portable fire extinguishers | 64 |
| J759 Inspect aircraft for fuel leaks | 64 |
| K805 Remove or install aircraft batteries | 64 |
| J778 Transfer fuel within aircraft | 63 |
| E321 Remove or install aircraft protective coverings, such as intake plugs | 62 |
| L835 Inspect engine cowling, panel, or door latches | 62 |
| I738 Service aircraft accumulators | 61 |
| E396 Service gaseous oxygen systems | 60 |
| E303 Perform tow vehicle operator procedures during aircraft towing | 60 |

TABLE B14

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A531X AND 2A551X PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531X (N=796) | | DAFSC 2A551X (N=3,548) | DIFFERENCE |
|---|----------------------------|------------------------------|------------------------------|------------|
| | DAFSC 2A531X (N=796) | DAFSC 2A551X (N=3,548) | | |
| E302 Perform tow supervisor procedures during aircraft towing | 6 | 47 | -41 | |
| B86 Conduct OJT | 9 | 44 | -35 | |
| A76 Supervise military personnel | 3 | 36 | -34 | |
| A27 Direct aircraft refueling or defueling operations | 20 | 52 | -32 | |
| O933 Clear Red-X conditions | 5 | 35 | -30 | |
| B88 Counsel trainees on training progress | 3 | 31 | -28 | |
| A14 Counsel subordinates concerning personal matters | 6 | 32 | -26 | |
| E303 Perform tow vehicle operator procedures during aircraft towing | 26 | 50 | -25 | |
| A17 Determine or establish work assignments or priorities | 7 | 33 | -25 | |
| L854 Operationally check engines | 5 | 29 | -24 | |
| B97 Evaluate progress of trainees | 3 | 27 | -24 | |
| A10 Conduct supervisory performance feedback sessions | 3 | 25 | -22 | |
| A26 Direct aircraft jacking operations | 6 | 29 | -22 | |
| A60 Inspect personnel for compliance with military standards | 4 | 26 | -22 | |
| B101 Maintain training records or files | 16 | 37 | -21 | |
| A7 Conduct self-inspections or self-assessments | 13 | 33 | -20 | |
| B96 Evaluate personnel to determine training needs | 2 | 22 | -20 | |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 11 | 31 | -19 | |
| A29 Direct training functions | 4 | 24 | -19 | |

TABLE B15

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A331A AND 2A551J PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531A (N=112) | DAFSC 2A551J (N=2,190) | DIFFERENCE |
|---|----------------------------|------------------------------|------------|
| | DAFSC 2A531A (N=112) | DAFSC 2A551J (N=2,190) | DIFFERENCE |
| E392 Service engine CSDs or IDGs | 57 | 34 | 23 |
| E263 Open or close tail cones | 49 | 26 | 23 |
| E375 Remove or install tail cones | 43 | 22 | 21 |
| E205 Inspect cargo loading struts or tail stands | 52 | 35 | 17 |
| E390 Service cargo loading struts | 42 | 27 | 15 |
| G542 Inspect smoke detection systems | 37 | 21 | 15 |
| E201 Inspect blow-out doors | 53 | 38 | 15 |
| L866 Remove or install engine nosedomes | 28 | 13 | 15 |
| F493 Remove or install landing gear wheel spin brake components, such as snubber brakes | 30 | 16 | 15 |
| F454 Inspect landing gear wheel spin brake pads, such as snubber | 44 | 29 | 14 |
| B86 Conduct OJT | 6 | 45 | -39 |
| A76 Supervise military personnel | 2 | 37 | -36 |
| E302 Perform tow supervisor procedures during aircraft towing | 6 | 43 | -36 |
| F457 Lubricate main landing gear jack screws | 11 | 45 | -34 |
| F455 Inspect main landing gear jack screws | 13 | 47 | -34 |
| O933 Clear Red-X conditions | 4 | 34 | -30 |
| E303 Perform tow vehicle operator procedures during aircraft towing | 16 | 46 | -30 |
| A14 Counsel subordinates concerning personal matters | 4 | 31 | -27 |
| B88 Counsel trainees on training progress | 4 | 32 | -27 |
| G549 Operationally check ATMs | 3 | 28 | -26 |
| A17 Determine or establish work assignments or priorities | 7 | 33 | -26 |
| E403 Troubleshoot cargo door systems | 15 | 42 | -26 |
| G576 Service ATMs | 2 | 26 | -25 |
| L854 Operationally check engines | 3 | 27 | -25 |
| G578 Service GTCs or APUs | 13 | 38 | -25 |
| H622 Inspect rudder systems | 19 | 44 | -25 |
| E404 Troubleshoot cargo ramp systems | 16 | 41 | -25 |
| A26 Direct aircraft jacking operations | 6 | 32 | -25 |
| I696 Inspect hydraulic system actuators, power, or boost packs | 13 | 36 | -24 |
| A10 Conduct supervisory performance feedback sessions | 1 | 25 | -24 |

TABLE B16

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A531B AND 2A551J PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531B (N=160) | DAFSC 2A551J (N=2,190) | DIFFERENCE |
|---|----------------------------|------------------------------|------------|
| | DAFSC 2A531B (N=160) | DAFSC 2A551J (N=2,190) | DIFFERENCE |
| L850 Inspect propellers, brush-blocks, or related components | 46 | 17 | 29 |
| E271 Operationally check air deflector doors | 58 | 29 | 29 |
| E260 Moor aircraft | 72 | 44 | 27 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 62 | 37 | 25 |
| L881 Service propeller systems | 39 | 17 | 22 |
| K813 Service aircraft battery sump jars | 55 | 33 | 22 |
| E239 Inspect static line retrievers | 53 | 31 | 22 |
| E211 Inspect crew hatch jettison system components | 43 | 23 | 19 |
| E170 Bleed brake systems | 66 | 49 | 18 |
| F457 Lubricate main landing gear jack screws | 62 | 45 | 17 |
| E290 Operationally check static line retrievers | 40 | 24 | 16 |
| E262 Open or close radomes | 69 | 54 | 16 |
| E291 Operationally check troop doors | 66 | 51 | 15 |
| F455 Inspect main landing gear jack screws | 62 | 47 | 15 |
| L831 Inspect engine bays | 36 | 22 | 14 |
| G555 Operationally check GTICs or APUs | 51 | 37 | 14 |
| E352 Remove or install liferafts | 64 | 50 | 14 |
| E351 Remove or install liferaft tub assemblies | 44 | 31 | 13 |
| E176 Clean interior of aircraft | 74 | 61 | 13 |
| E191 Inspect aircraft fuel system surge suppressors or surge | 37 | 24 | 13 |
| <hr/> B16 | | | |
| B86 Conduct OJT | 11 | 45 | -34 |
| E302 Perform tow supervisor procedures during aircraft towing | 9 | 43 | -33 |
| A76 Supervise military personnel | 6 | 37 | -32 |
| A27 Direct aircraft refueling or defueling operations | 21 | 51 | -30 |
| E392 Service engine CSDs or IDGs | 4 | 34 | -30 |
| E404 Troubleshoot cargo ramp systems | 13 | 41 | -28 |

TABLE B17

**TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A531C AND 2A551J PERSONNEL
(PERCENT MEMBERS PERFORMING)**

| TASKS | DAFSC 2A531C (N=151) | DAFSC 2A551J (N=2,190) | DIFFERENCE |
|--|----------------------------|------------------------------|------------|
| | DAFSC 2A531C (N=151) | DAFSC 2A551J (N=2,190) | DIFFERENCE |
| F448 Inspect landing gear roll pin lock tabs | 65 | 22 | 43 |
| F441 Inspect landing gear gudgeon pin lock tabs | 62 | 21 | 41 |
| I741 Service escape slide bottles | 47 | 12 | 35 |
| F444 Inspect landing gear kneeling systems | 52 | 18 | 35 |
| G532 Inspect escape slides | 47 | 13 | 34 |
| E207 Inspect cargo visor mechanical components | 52 | 23 | 29 |
| G576 Service ATMs | 55 | 26 | 29 |
| F456 Inspect nosegear folding bulkhead latching mechanisms or linkages | 52 | 26 | 26 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 58 | 32 | 26 |
| E392 Service engine CSDs or IDGs | 60 | 34 | 25 |
| F428 Inspect bogie trim actuators or roll positioners | 50 | 26 | 24 |
| G525 Inspect descent reels or emergency ground egress systems, such as ropes | 50 | 28 | 22 |
| I740 Service emergency air bottles, such as RAT air bottles | 30 | 10 | 21 |
| F432 Inspect landing gear bogie pitch systems or axle beam positioners | 50 | 29 | 20 |
| E232 Inspect ram air turbine (RAT) doors | 38 | 18 | 20 |
| G549 Operationally check ATMs | 48 | 28 | 20 |
| E302 Perform tow supervisor procedures during aircraft towing | 6 | 43 | -37 |
| B86 Conduct OJT | 8 | 45 | -37 |
| A27 Direct aircraft refueling or defueling operations | 16 | 51 | -35 |
| A76 Supervise military personnel | 2 | 37 | -35 |
| E260 Moor aircraft | 11 | 44 | -34 |
| K813 Service aircraft battery sump jars | 2 | 33 | -31 |
| B88 Counsel trainees on training progress | 2 | 32 | -30 |
| E303 Perform tow vehicle operator procedures during aircraft towing | 17 | 46 | -30 |
| O933 Clear Red-X conditions | 4 | 34 | -30 |
| A14 Counsel subordinates concerning personal matters | 3 | 31 | -29 |
| A26 Direct aircraft jacking operations | 5 | 32 | -27 |
| E185 Drain contaminants from aircraft fuel tank sumps | 5 | 31 | -26 |
| B97 Evaluate progress of trainees | 3 | 29 | -26 |

TABLE B18

TASKS WHICH BEST DIFFERENTIATE BETWEEN ALL DAFSC 2A531D AND 2A551J PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531D (N=80) | DAFSC 2A551J (N=2,190) | DIFFERENCE |
|---|---------------------------|------------------------------|------------|
| | | | |
| E357 Remove or install OBIGGS components | 44 | 1 | 43 |
| E285 Operationally check OBIGGSs | 38 | 2 | 36 |
| E222 Inspect on-board inert gaseous generation systems (OBIGGSs) | 35 | 3 | 32 |
| E397 Service OBIGGSs | 31 | 1 | 30 |
| E408 Troubleshoot OBIGGSs | 28 | 2 | 26 |
| E171 Bleed hydraulic systems | 53 | 32 | 20 |
| G558 Operationally check smoke detection systems | 43 | 22 | 20 |
| E232 Inspect ram air turbine (RAT) doors | 38 | 18 | 19 |
| G542 Inspect smoke detection systems | 40 | 21 | 19 |
| H636 Operationally check leading edge slat or leading edge flap systems | 40 | 21 | 19 |
| E260 Moor aircraft | 63 | 44 | 18 |
| J763 Inspect fuel vent boxes | 34 | 16 | 17 |
| E214 Inspect engine pylons or aprons | 60 | 44 | 16 |
| E187 Drain or replace aircraft engine oil | 58 | 42 | 16 |
| <hr/> | | | |
| E302 Perform tow supervisor procedures during aircraft towing | 1 | 43 | -41 |
| E303 Perform tow vehicle operator procedures during aircraft towing | 6 | 46 | -40 |
| B86 Conduct OJT | 6 | 45 | -39 |
| F455 Inspect main landing gear jack screws | 8 | 47 | -39 |
| A76 Supervise military personnel | 3 | 37 | -35 |
| A27 Direct aircraft refueling or defueling operations | 16 | 51 | -34 |
| G578 Service GTCS or APUs | 6 | 38 | -32 |
| F457 Lubricate main landing gear jack screws | 13 | 45 | -32 |
| B88 Counsel trainees on training progress | 1 | 32 | -31 |
| A26 Direct aircraft jacking operations | 1 | 32 | -30 |
| K813 Service aircraft battery sump jars | 3 | 33 | -30 |
| E162 Adjust escape hatches for fit and pressurization | 10 | 39 | -29 |
| A14 Counsel subordinates concerning personal matters | 3 | 31 | -29 |
| E318 Remove or install aircraft door negotiator springs | 14 | 43 | -29 |
| A17 Determine or establish work assignments or priorities | 4 | 33 | -29 |
| B97 Evaluate progress of trainees | 1 | 29 | -28 |
| I696 Inspect hydraulic system actuators, power, or boost packs | 9 | 36 | -28 |

TABLE B19

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A531E AND 2A551K PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531E (N=41) | | DAFSC 2A551K (N=306) | | DIFFERENCE |
|--|---------------------------|----------------------------|----------------------------|---------------------------|------------|
| | DAFSC 2A531E (N=41) | DAFSC 2A551K (N=306) | DAFSC 2A551K (N=306) | DAFSC 2A531E (N=41) | |
| E299 Perform hardness critical procedure (HCP) ohm checks | 63 | 31 | 32 | 32 | |
| E220 Inspect magnetic chip detectors | 76 | 43 | 32 | 32 | |
| E180 Connect or disconnect hydraulic test stands to or from aircraft | 78 | 48 | 30 | 30 | |
| E396 Service gaseous oxygen systems | 66 | 36 | 30 | 30 | |
| E388 Service aircraft nitrogen systems | 71 | 42 | 29 | 29 | |
| E189 Inspect accessory drive gearbox (ADGs) | 73 | 45 | 28 | 28 | |
| E296 Perform chip detector ohm tests on aircraft components | 68 | 41 | 27 | 27 | |
| E224 Inspect overwing fairings | 76 | 50 | 26 | 26 | |
| E359 Remove or install overwing fairing seals | 59 | 35 | 24 | 24 | |
| F453 Inspect landing gear up-lock mechanisms | 54 | 33 | 21 | 21 | |
| E266 Operate centralized aircraft support systems (CASSs) | 61 | 41 | 20 | 20 | |
| E286 Operationally check overwing fairing seals | 46 | 27 | 19 | 19 | |
| E267 Operate landing gear or wheel well doors | 63 | 45 | 19 | 19 | |
| ----- | | | | | |
| E302 Perform tow supervisor procedures during aircraft towing | 12 | 52 | -40 | -40 | |
| A27 Direct aircraft refueling or defueling operations | 15 | 53 | -38 | -38 | |
| O933 Clear Red-X conditions | * | 35 | -35 | -35 | |
| H625 Inspect spoiler systems | 10 | 41 | -31 | -31 | |
| A14 Counsel subordinates concerning personal matters | * | 30 | -30 | -30 | |
| A76 Supervise military personnel | * | 30 | -30 | -30 | |
| B86 Conduct OJT | 7 | 38 | -30 | -30 | |
| K786 Inspect aircraft battery vent systems | 12 | 40 | -28 | -28 | |
| I700 Inspect hydraulic system reservoirs | 12 | 39 | -27 | -27 | |
| L859 Remove or install engine cowling, panel, or door latches | 24 | 52 | -27 | -27 | |
| A17 Determine or establish work assignments or priorities | 2 | 30 | -27 | -27 | |
| E186 Drain liquid oxygen (LOX) systems | 2 | 28 | -26 | -26 | |
| G565 Remove or install drag chutes | * | 26 | -26 | -26 | |
| B88 Counsel trainees on training progress | * | 25 | -25 | -25 | |
| F426 Inspect aircraft wheel bearings | 15 | 40 | -25 | -25 | |

TABLE B20

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A531F VS 2A551K PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531F (N=36) | DAFSC 2A551K (N=306) | DIFFERENCE |
|--|---------------------------|----------------------------|------------|
| | | | |
| G565 Remove or install drag chutes | 81 | 26 | 54 |
| L828 Inspect cartridge-type starter breech caps | 67 | 20 | 47 |
| G580 Service portable oxygen bottles | 64 | 17 | 47 |
| E186 Drain liquid oxygen (LOX) systems | 75 | 28 | 47 |
| J780 Verify aircraft fuel tank quantity with dipstick or sight gauge | 72 | 30 | 42 |
| E191 Inspect aircraft fuel system surge suppressors or surge tanks | 64 | 23 | 41 |
| E387 Service aircraft LOX systems | 72 | 32 | 41 |
| L821 Clean cartridge-type starter breech caps | 61 | 23 | 38 |
| L868 Remove or install engine starter cartridges | 58 | 21 | 37 |
| E192 Inspect aircraft LOX systems | 58 | 22 | 37 |
| L866 Remove or install engine nosedomes | 56 | 19 | 36 |
| E385 Service aircraft fuel system surge suppressors or surge tanks | 50 | 15 | 35 |
| L822 Clean cartridge-type starters | 56 | 21 | 35 |
| G526 Inspect drag chute systems | 53 | 19 | 34 |
| L847 Inspect engine starter cartridges | 53 | 20 | 33 |
| E252 Leak check aircraft fuel system surge suppressors or surge tanks | 56 | 24 | 31 |
| G540 Inspect portable oxygen bottles | 64 | 34 | 30 |
| L827 Inspect auxiliary air doors, such as flipper or sucker-doors | 56 | 26 | 30 |
| L860 Remove or install engine cowlings, panels, or doors | 78 | 48 | 30 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 75 | 49 | 26 |
| G512 Adjust aircraft window or windshield rain removal system components | 39 | 14 | 25 |
| E302 Perform tow supervisor procedures during aircraft towing | 6 | 52 | -46 |
| E220 Inspect magnetic chip detectors | * | 43 | -43 |
| E266 Operate centralized aircraft support systems (CASSs) | * | 41 | -41 |
| E269 Operate weapons bay doors | 17 | 58 | -41 |
| E296 Perform chip detector ohm tests on aircraft components | * | 41 | -41 |
| E224 Inspect overwing fairings | 11 | 50 | -39 |
| A27 Direct aircraft refueling or defueling operations | 14 | 53 | -39 |
| E267 Operate landing gear or wheel well doors | 6 | 45 | -39 |
| E388 Service aircraft nitrogen systems | 6 | 42 | -36 |

TABLE B21

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A531G AND 2A551L PERSONNEL
(PERCENT MEMBER PERFORMING)

| TASKS | DAFSC 2A331G (N=104) | DAFSC 2A551L (N=1,052) | DIFFERENCE | |
|-------|---|------------------------------|------------------------------|----------------------------|
| | | | DAFSC 2A551L (N=1,052) | DAFSC 2A531G (N=104) |
| E302 | Perform tow supervisor procedures during aircraft towing | 4 | 55 | -51 |
| O933 | Clear Red-X conditions | 2 | 38 | -36 |
| B86 | Conduct OJT | 9 | 43 | -35 |
| A76 | Supervise military personnel | 2 | 36 | -34 |
| A27 | Direct aircraft refueling or defueling operations | 22 | 55 | -33 |
| B88 | Counsel trainees on training progress | 1 | 31 | -30 |
| A14 | Counsel subordinates concerning personal matters | 4 | 34 | -30 |
| B101 | Maintain training records or files | 10 | 34 | -24 |
| A17 | Determine or establish work assignments or priorities | 8 | 32 | -24 |
| I687 | Inspect air refueling boom systems | 20 | 43 | -23 |
| B97 | Evaluate progress of trainees | 3 | 26 | -23 |
| P966 | Identify chemical warfare agents | 16 | 38 | -22 |
| L854 | Operationally check engines | 13 | 34 | -21 |
| A7 | Conduct self-inspections or self-assessments | 13 | 35 | -21 |
| E303 | Perform tow vehicle operator procedures during aircraft towing | 38 | 60 | -21 |
| A10 | Conduct supervisory performance feedback sessions | 3 | 24 | -21 |
| D140 | Evaluate serviceability of equipment, tools, parts, or supplies | 22 | 42 | -20 |
| E181 | Debrief aircrews | 18 | 39 | -20 |

TABLE B22

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A531H AND 2A551L PERSONNEL.
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A531H (N=112) | DAFSC 2A551L (N=1,052) | DIFFERENCE |
|--|----------------------------|------------------------------|------------|
| | DAFSC 2A531H (N=112) | DAFSC 2A551L (N=1,052) | DIFFERENCE |
| G542 Inspect smoke detection systems | 47 | 8 | 39 |
| E214 Inspect engine pylons or aprons | 67 | 29 | 38 |
| J763 Inspect fuel vent boxes | 58 | 25 | 33 |
| E392 Service engine CSDs or IDGs | 79 | 48 | 30 |
| E400 Take engine oil samples for analysis, such as joint oil analysis program (JOAP) | 71 | 43 | 29 |
| J758 Inspect air refueling receiver systems | 46 | 18 | 28 |
| G558 Operationally check smoke detection systems | 35 | 7 | 28 |
| J755 Clean air refueling receiver system components | 41 | 14 | 27 |
| I697 Inspect hydraulic system filters | 46 | 20 | 26 |
| G579 Service hot, cold, or potable water systems | 38 | 12 | 26 |
| M898 Service oil servicing carts | 46 | 22 | 25 |
| E388 Service aircraft nitrogen systems | 53 | 29 | 24 |
| G537 Inspect hot, cold, or potable water system components | 34 | 11 | 23 |
| E219 Inspect liferaft release or stowage systems | 38 | 17 | 22 |
| M894 Service gaseous oxygen servicing carts | 27 | 7 | 20 |
| E183 Dispose of hazardous materials | 69 | 51 | 18 |
| E302 Perform tow supervisor procedures during aircraft towing | 3 | 55 | -52 |
| E205 Inspect cargo loading struts or tail stands | 22 | 59 | -36 |
| F442 Inspect landing gear hydraulic struts or shimmy dampeners | 13 | 47 | -35 |
| A76 Supervise military personnel | 2 | 36 | -34 |
| H596 Adjust cove lip door components | 1 | 34 | -33 |
| E348 Remove or install ladders, such as entry, flight station, or troop compartment | 16 | 49 | -33 |
| E330 Remove or install cargo loading struts or tail stands | 16 | 49 | -33 |
| E162 Adjust escape hatches for fit and pressurization | 9 | 41 | -32 |
| F499 Service landing gear hydraulic struts or shimmy dampeners | 2 | 34 | -32 |
| O933 Clear Red-X conditions | 5 | 38 | -32 |
| L854 Operationally check engines | 4 | 34 | -31 |
| B86 Conduct OJT | 13 | 43 | -31 |
| F461 Operationally check landing gear antiskid systems | 6 | 37 | -31 |

TABLE B23

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2A571X PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=2,550) |
|--|---|
| A76 Supervise military personnel | 68 |
| E297 Perform foreign object damage (FOD) walks | 66 |
| A17 Determine or establish work assignments or priorities | 61 |
| A14 Counsel subordinates concerning personal matters | 60 |
| O931 Clear Red-Dash conditions | 60 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 59 |
| O932 Clear Red-Diagonal conditions | 59 |
| E179 Connect or disconnect external electrical aircraft power | 58 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 56 |
| O933 Clear Red-X conditions | 56 |
| E304 Perform wing or tail walker procedures during aircraft towing | 55 |
| A60 Inspect personnel for compliance with military standards | 54 |
| A6 Conduct safety inspections of equipment or facilities | 54 |
| E264 Operate aircraft interphones | 54 |
| B101 Maintain training records or files | 53 |
| E261 Open or close engine cowlings, panels, or doors | 53 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 52 |
| B86 Conduct OJT | 52 |
| E188 Inspect access doors, hatches, or panels | 52 |
| E307 Position fire extinguishers | 52 |
| A27 Direct aircraft refueling or defueling operations | 51 |
| E302 Perform tow supervisor procedures during aircraft towing | 51 |
| E194 Inspect aircraft shock struts | 51 |
| F425 Inspect aircraft wheel and tire assemblies | 51 |
| A7 Conduct self-inspections or self-assessments | 50 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 49 |
| A10 Conduct supervisory performance feedback sessions | 49 |
| E251 Launch or recover aircraft | 49 |
| E294 Perform aircraft fueling or defueling | 49 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 49 |
| E195 Inspect aircraft windows or windshields | 49 |
| E190 Inspect aircraft for corrosion | 49 |
| E257 Lubricate aircraft components | 49 |

TABLE B24

**TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A551X AND 2A571
(PERCENT MEMBERS PERFORMING)**

| TASKS | DAFSC 2A551X (N=3,548) | DAFSC 2A571 (N=2,550) | DIFFERENCE |
|--|------------------------------|-----------------------------|------------|
| | DAFSC 2A551X (N=3,548) | DAFSC 2A571 (N=2,550) | DIFFERENCE |
| E175 Clean aircraft windshields | 66 | 43 | 23 |
| E389 Service aircraft tires | 71 | 48 | 23 |
| E179 Connect or disconnect external electrical aircraft power | 80 | 58 | 22 |
| E176 Clean interior of aircraft | 63 | 41 | 22 |
| E257 Lubricate aircraft components | 71 | 49 | 21 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 70 | 49 | 21 |
| E264 Operate aircraft interphones | 74 | 54 | 20 |
| E394 Service engines with oil | 64 | 45 | 20 |
| E261 Open or close engine cowlings, panels, or doors | 72 | 53 | 19 |
| E194 Inspect aircraft shock struts | 71 | 51 | 19 |
| E251 Launch or recover aircraft | 68 | 49 | 19 |
| E386 Service aircraft hydraulic systems | 64 | 45 | 19 |
| E304 Perform wing or tail walker procedures during aircraft towing | 73 | 55 | 19 |
| E294 Perform aircraft fueling or defueling | 68 | 49 | 19 |
| E295 Perform brake rider procedures during aircraft towing | 66 | 47 | 19 |
| <hr/> | | | |
| A76 Supervise military personnel | 36 | 68 | -31 |
| A17 Determine or establish work assignments or priorities | 33 | 61 | -29 |
| A60 Inspect personnel for compliance with military standards | 26 | 54 | -28 |
| A79 Write recommendations for awards or decorations | 17 | 45 | -28 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 24 | 52 | -28 |
| A14 Counsel subordinates concerning personal matters | 32 | 60 | -28 |
| A78 Write performance reports or supervisory appraisals | 19 | 45 | -26 |
| A10 Conduct supervisory performance feedback sessions | 25 | 49 | -25 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 12 | 36 | -25 |
| A61 Interpret policies, directives, or procedures for subordinates | 17 | 42 | -25 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 21 | 47 | -25 |
| A69 Plan or schedule work assignments or priorities | 18 | 42 | -24 |

TABLE B25

TASKS WHICH BEST DIFFERENTIATE BETWEEN 2A551J AND 2A571 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC (N=2,190) | 2A551J (N=2,190) | DAFSC (N=2,550) | 2A571 (N=2,550) | DIFFERENCE |
|--|--------------------|---------------------|--------------------|--------------------|------------|
| E387 Service aircraft LOX systems | 63 | 32 | 32 | 32 | 32 |
| E206 Inspect cargo ramp seals | 59 | 30 | 30 | 29 | 29 |
| E204 Inspect cargo door or ramp mechanical components | 67 | 38 | 38 | 28 | 28 |
| E275 Operationally check cargo doors or ramps | 62 | 34 | 34 | 28 | 28 |
| E291 Operationally check troop doors | 51 | 24 | 24 | 27 | 27 |
| E352 Remove or install liferafts | 50 | 24 | 24 | 26 | 26 |
| E243 Inspect troop door systems | 50 | 26 | 26 | 24 | 24 |
| E260 Moor aircraft | 44 | 20 | 20 | 24 | 24 |
| E318 Remove or install aircraft door negotiator springs | 43 | 19 | 19 | 23 | 23 |
| F457 Lubricate main landing gear jack screws | 45 | 22 | 22 | 23 | 23 |
| F455 Inspect main landing gear jack screws | 47 | 24 | 24 | 23 | 23 |
| E389 Service aircraft tires | 70 | 48 | 48 | 22 | 22 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 70 | 49 | 49 | 22 | 22 |
| E179 Connect or disconnect external electrical aircraft power | 80 | 58 | 58 | 21 | 21 |
| E219 Inspect liferaft release or stowage systems | 47 | 27 | 27 | 20 | 20 |
| E193 Inspect aircraft mooring attachment points | 45 | 25 | 25 | 20 | 20 |
| E257 Lubricate aircraft components | 70 | 49 | 49 | 20 | 20 |
| E175 Clean aircraft windshields | 64 | 43 | 43 | 20 | 20 |
| E250 Jack or level aircraft | 69 | 49 | 49 | 20 | 20 |
| <hr/> | | | | | |
| A76 Supervise military personnel | 37 | 68 | 68 | -30 | -30 |
| A79 Write recommendations for awards or decorations | 16 | 45 | 45 | -29 | -29 |
| A14 Counsel subordinates concerning personal matters | 31 | 60 | 60 | -29 | -29 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 24 | 52 | 52 | -28 | -28 |
| A17 Determine or establish work assignments or priorities | 33 | 61 | 61 | -28 | -28 |
| A60 Inspect personnel for compliance with military standards | 27 | 54 | 54 | -27 | -27 |
| A78 Write performance reports or supervisory appraisals | 19 | 45 | 45 | -26 | -26 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 22 | 47 | 47 | -25 | -25 |
| A21 Develop or establish work schedules | 15 | 39 | 39 | -24 | -24 |
| A61 Interpret policies, directives, or procedures for subordinates | 18 | 42 | 42 | -24 | -24 |

TABLE B26

**TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A551K AND 2A571 PERSONNEL
(PERCENT MEMBERS PERFORMING)**

| TASKS | DAFSC 2A551K (N=306) | DAFSC 2A571 (N=2,550) | DIFFERENCE |
|--|----------------------------|-----------------------------|------------|
| | | | |
| E245 Inspect weapons bay doors | 62 | 4 | 57 |
| E269 Operate weapons bay doors | 58 | 4 | 54 |
| E266 Operate centralized aircraft support systems (CASSs) | 41 | 4 | 36 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 65 | 31 | 34 |
| E268 Operate seat adjustment actuators | 54 | 21 | 34 |
| E224 Inspect overwing fairings | 50 | 18 | 32 |
| E296 Perform chip detector ohm tests on aircraft components | 41 | 9 | 32 |
| E392 Service engine CSDs or IDGs | 60 | 30 | 30 |
| I684 Drain hydraulic systems | 50 | 20 | 30 |
| K804 Perform CITS ground readiness tests (GRTs) | 32 | 3 | 29 |
| E220 Inspect magnetic chip detectors | 43 | 14 | 29 |
| E359 Remove or install overwing fairing seals | 35 | 6 | 29 |
| E299 Perform hardness critical procedure (HCP) ohm checks | 31 | 2 | 29 |
| E334 Remove or install CITS magnetic tapes | 29 | 2 | 27 |
| M898 Service oil servicing carts | 40 | 12 | 27 |
| E270 Operationally check ADGs | 29 | 3 | 27 |
| | | | |
| A76 Supervise military personnel | 30 | 68 | -38 |
| E204 Inspect cargo door or ramp mechanical components | 3 | 38 | -35 |
| E275 Operationally check cargo doors or ramps | 1 | 34 | -33 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 20 | 52 | -32 |
| A17 Determine or establish work assignments or priorities | 30 | 61 | -32 |
| A15 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 10 | 42 | -32 |
| | | | |
| A60 Inspect personnel for compliance with military standards | 22 | 54 | -32 |
| A2 Assign personnel to work areas or duty positions, other than mobility positions | 13 | 44 | -31 |
| A61 Interpret policies, directives, or procedures for subordinates | 11 | 42 | -30 |

TABLE B27

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A551L AND 2A571 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A551L (N=1,052) | DAFSC 2A571 (N=2,550) | DAFSC 2A571 (N=2,550) | DIFFERENCE |
|--|------------------------------|-----------------------------|-----------------------------|------------|
| E396 Service gaseous oxygen systems | 60 | 60 | 21 | 39 |
| E391 Service crew or passenger comfort facilities, such as latrines or galleys | 60 | 60 | 23 | 37 |
| E178 Clean or wash external surfaces of aircraft, other than optical windows or windshields | 65 | 59 | 31 | 34 |
| E205 Inspect cargo loading struts or tail stands | 59 | 43 | 28 | 31 |
| I687 Inspect air refueling boom systems | 43 | 44 | 12 | 30 |
| H639 Operationally check speedbrake systems | 44 | 44 | 14 | 30 |
| E330 Remove or install cargo loading struts or tail stands | 49 | 49 | 20 | 30 |
| E175 Clean aircraft windshields | 72 | 72 | 43 | 29 |
| E267 Operate landing gear or wheel well doors | 69 | 40 | 40 | 28 |
| E201 Inspect blow-out doors | 58 | 58 | 31 | 27 |
| E176 Clean interior of aircraft | 68 | 68 | 41 | 27 |
| E389 Service aircraft tires | 75 | 75 | 48 | 26 |
| J756 Drain aircraft fuel tanks | 56 | 56 | 30 | 26 |
| H596 Adjust cove lip door components | 34 | 34 | 8 | 25 |
| E394 Service engines with oil | 69 | 69 | 45 | 25 |
| H624 Inspect speedbrake systems | 39 | 39 | 14 | 25 |
| <hr/> | | | | |
| A76 Supervise military personnel | 36 | 68 | 68 | -32 |
| A17 Determine or establish work assignments or priorities | 32 | 61 | 61 | -29 |
| A60 Inspect personnel for compliance with military standards | 27 | 54 | 54 | -27 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 24 | 52 | 52 | -27 |
| <hr/> | | | | |
| A61 Interpret policies, directives, or procedures for subordinates | 16 | 42 | 42 | -26 |
| A79 Write recommendations for awards or decorations | 19 | 45 | 45 | -26 |
| A14 Counsel subordinates concerning personal matters | 34 | 60 | 60 | -26 |
| A2 Assign personnel to work areas or duty positions, other | 19 | 44 | 44 | -25 |
| A51 Evaluate personnel for compliance with performance | 22 | 47 | 47 | -25 |
| A69 Plan or schedule work assignments or priorities | 17 | 42 | 42 | -25 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 11 | 36 | 36 | -25 |
| A78 Write performance reports or supervisory appraisals | 20 | 45 | 45 | -25 |

TABLE B28
REPRESENTATIVE TASKS PERFORMED BY DAFSC 2A590

| TASKS | PERCENT MEMBERS PERFORMING (N=41) |
|--|--|
| A17 Determine or establish work assignments or priorities | 90 |
| A76 Supervise military personnel | 88 |
| A14 Counsel subordinates concerning personal matters | 88 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 80 |
| A60 Inspect personnel for compliance with military standards | 76 |
| A7 Conduct self-inspections or self-assessments | 76 |
| A64 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 73 |
| O946 Review aircraft flight or maintenance records, such as AF Forms 781 series | 71 |
| A42 Evaluate in-process maintenance | 71 |
| A21 Develop or establish work schedules | 68 |
| O933 Clear Red-X conditions | 68 |
| A12 Coordinate cannibalization of parts with appropriate agencies | 66 |
| A78 Write performance reports or supervisory appraisals | 66 |
| A10 Conduct supervisory performance feedback sessions | 66 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 63 |
| A15 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 63 |
| A61 Interpret policies, directives, or procedures for subordinates | 63 |
| A52 Evaluate personnel for promotion, demotion, reclassification, or special awards | 63 |
| A57 Indorse performance reports or supervisory appraisals | 61 |
| A69 Plan or schedule work assignments or priorities | 61 |
| A51 Evaluate personnel for compliance with performance standards or technical orders | 61 |
| A62 Investigate accidents or incidents | 61 |
| O928 Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 59 |
| A79 Write recommendations for awards or decorations | 59 |
| A2 Assign personnel to work areas or duty positions, other than mobility positions | 56 |
| A56 Evaluate workload requirements | 56 |
| O941 Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 56 |
| O931 Clear Red-Dash conditions | 56 |
| A18 Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans | 54 |
| A11 Coordinate aircraft launch and recovery times with aircrews or appropriate agencies | 51 |
| A73 Review flight schedules | 51 |
| A74 Schedule personnel for temporary duty (TDY) assignments, leaves, or passes | 51 |

TABLE B29

TASKS WHICH BEST DIFFERENTIATE BETWEEN DAFSC 2A571 VS 2A590 PERSONNEL
(PERCENT MEMBER PERFORMING)

| TASKS | DAFSC 2A571 (N=2,550) | DAFSC 2A590 (N=41) | DIFFERENCE |
|--|-----------------------------|--------------------------|------------|
| | 49 | 10 | 40 |
| E257 Lubricate aircraft components | 41 | 2 | 39 |
| E176 Clean interior of aircraft | 58 | 20 | 39 |
| E179 Connect or disconnect external electrical aircraft power | 45 | 7 | 38 |
| E386 Service aircraft hydraulic systems | 47 | 10 | 37 |
| E295 Perform brake rider procedures during aircraft towing | 49 | 12 | 37 |
| E320 Remove or install aircraft hardware, such as screws or fasteners | 43 | 7 | 36 |
| E175 Clean aircraft windshields | 53 | 17 | 36 |
| E261 Open or close engine cowlings, panels, or doors | 38 | 2 | 35 |
| E161 Adjust engine cowling, panel, or door latches | 40 | 5 | 35 |
| E314 Remove or install access doors, hatches, or panels | 49 | 15 | 35 |
| E294 Perform aircraft fueling or defueling | 49 | 15 | 35 |
| E251 Launch or recover aircraft | 37 | 5 | 33 |
| K799 Operationally check external aircraft lighting system components | 19 | 61 | -42 |
| <hr/> | | | |
| A62 Investigate accidents or incidents | 25 | 61 | -36 |
| A57 Indorse performance reports or supervisory appraisals | 17 | 49 | -32 |
| O935 Coordinate material deficiency reports (MDRs), quality deficiency reports (QDRs), or software deficiency reports (SDRs) with appropriate agencies | 49 | 80 | -32 |
| A13 Coordinate maintenance or supply problems with appropriate agencies | 21 | 54 | -32 |
| A18 Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans | 19 | 49 | -30 |
| A80 Write replies to inspection reports | 61 | 90 | -29 |
| A17 Determine or establish work assignments or priorities | 39 | 68 | -29 |
| A21 Develop or establish work schedules | 60 | 88 | -28 |
| A14 Counsel subordinates concerning personal matters | 38 | 66 | -28 |
| A12 Coordinate cannibalization of parts with appropriate agencies | 23 | 51 | -28 |
| A73 Review flight schedules | 23 | 51 | -28 |
| A74 Schedule personnel for temporary duty (TDY) assignments, leaves, or passes | 43 | 71 | -28 |
| A42 Evaluate in-process maintenance | 26 | 54 | -28 |
| A46 Evaluate job-related suggestions | | | |

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APPENDIX C

STS MATCHES COMPARED TO SURVEY DATA AEROSPACE MAINTENANCE 3-SKILL LEVEL COURSES

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TABLE C1

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
AFSC 2A53 IE (B-1) PERSONNEL AND NOT REFERENCED TO THE STS

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | TSK DIF | ATI |
|-------------|---|-------------------------------|------------|------------|------------|------------|-----|
| | | 31E LVL | 1ST JOB | 1ST ENL | TNG EMP | | |
| F451 | Inspect landing gear struts | 70 | 63 | 71 | 5.94 | 4.50 | 18 |
| E293 | Perform aircraft fuel spill cleanup procedures | 48 | 44 | 50 | 5.82 | 4.77 | 15 |
| K792 | Inspect internal aircraft lights, other than emergency lights | 40 | 44 | 42 | 4.89 | 3.28 | 18 |
| E153 | Adjust access door or hatch latching mechanisms or linkages | 53 | 31 | 53 | 4.88 | 5.18 | 12 |
| C1 | Inspect pressure seals, such as crew door, ramp, or visor seals | 58 | 44 | 61 | 4.36 | 3.36 | 12 |
| F450 | Inspect landing gear structural components | 33 | 25 | 32 | 4.80 | 4.99 | 12 |
| F453 | Inspect landing gear up-lock mechanisms | 53 | 44 | 53 | 3.91 | 4.79 | 12 |
| E234 | Inspect seat locking mechanisms | 30 | 44 | 32 | 4.44 | 3.27 | 12 |
| E225 | Inspect permanently installed aircraft fire extinguishers | 58 | 56 | 61 | 4.35 | 3.63 | # |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C2

EXAMPLES OF STS 2A531E (B-1) COURSE STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF CODE | PERCENT MEMBERS PERFORMING | | | TNG EMP | TSK DIF | ATI |
|--|-----------|----------------------------|------------|------------|---------|---------|-----|
| | | 31E LVL | 1ST JOB | 1ST ENL | | | |
| A.4.1.3.1. Aircraft communications equipment - Operate radio E265 Operate aircraft radios | - | 35 | 25 | 37 | 5.70 | 3.72 | 18 |
| A.4.1.4.3.4. Perform ground handling - Tow vehicle operator - Lubricate aircraft E33 Perform tow vehicle operator procedures during aircraft towing | - | 30 | 25 | 32 | 5.30 | 5.65 | 15 |
| A4.2.3..5. Remove /Install - Radomes E292 Remove or install Radomes | - | 33 | 25 | 32 | 4.76 | 5.19 | 12 |
| A4.2.6. Perform aircraft cold weather procedures E292 Perform aircraft cold weather procedures | - | 38 | 38 | 39 | 4.94 | 4.78 | # |
| A4.3.5. Lubricate landing gear components E257 Lubricate landing gear components | - | 78 | 75 | 82 | 6.62 | 4.26 | 18 |
| A4.3.7. Bleed brake systems E170 Bleed brake systems | - | 70 | 63 | 71 | 5.70 | 4.75 | 18 |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C3

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
AFSC 2A53IE (B-2) PERSONNEL AND NOT REFERENCED TO THE STS

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | TSK DIF | ATI |
|-------------|---|-------------------------------|------------|------------|------------|------------|-----|
| | | 3IE LVL | 1ST JOB | 1ST ENL | TNG EMP | | |
| O946 | Review aircraft flight or maintenance records, such as Forms 781 series | 43 | 63 | 45 | 5.98 | 4.65 | 12 |
| E293 | Perform aircraft fuel spill cleanup procedures | 48 | 44 | 50 | 5.82 | 4.77 | 15 |
| E262 | Open or close radomes | 65 | 63 | 66 | 5.77 | 3.80 | 18 |
| E235 | Inspect seats, seatbelts, inertial reels, or harnesses shoulder | 63 | 75 | 66 | 5.56 | 3.22 | 18 |
| E322 | Remove or install aircraft windows or windshields | 45 | 56 | 47 | 5.52 | 6.38 | 17 |
| E230 | Inspect radomes | 60 | 44 | 63 | 5.36 | 4.00 | 18 |
| E171 | Bleed hydraulic systems | 55 | 50 | 55 | 5.22 | 4.88 | 12 |
| E161 | Adjust engine cowling, panel, or door latches | 58 | 63 | 61 | 5.03 | 5.01 | 18 |
| F459 | Operationally check brake systems | 45 | 44 | 45 | 4.99 | 4.34 | 15 |
| F443 | Inspect landing gear hydraulic system components | 30 | 25 | 29 | 4.90 | 4.70 | # |
| E153 | Adjust access door or hatch latching mechanisms or linkages | 53 | 31 | 53 | 4.88 | 5.18 | 12 |
| E392 | Service engine CSDs or IDGs | 73 | 75 | 76 | 4.83 | 3.57 | 12 |
| F450 | Inspect landing gear structural components | 33 | 25 | 32 | 4.80 | 4.99 | 12 |
| E187 | Drain or replace aircraft engine oil | 58 | 63 | 61 | 4.65 | 3.34 | 12 |
| E279 | Operationally check entry door systems | 43 | 44 | 42 | 4.59 | 4.28 | 12 |
| F452 | Inspect landing gear trucks, torque struts, or boggies | 35 | 38 | 34 | 4.59 | 4.72 | 12 |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C4

EXAMPLES OF 2A53 IE (B-2) COURSE STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF CODE | PERCENT MEMBERS PERFORMING | | | | TNG EMP | TSK DIF | ATI |
|--|--|----------------------------|------------|------------|---------|---------|---------|-----|
| | | 31E LVL | 1ST JOB | 1ST ENL | TNG EMP | | | |
| A6.1.5.3.4. Tow vehicle operator | - | 30 | 25 | 32 | 5.30 | 5.65 | 15 | |
| | E303 Perform tow vehicle operator procedures during aircraft towing | | | | | | | |
| A6.1.5.5.2. Jack and level aircraft-Jacking supervisor | - | 75 | 81 | 76 | 5.76 | 6.38 | 18 | |
| | E250 Jack or level aircraft | | | | | | | |
| A6.2.3.1. Remove/install - Crew entry pressure door | - | 58 | 56 | 58 | 5.16 | 4.23 | 18 | |
| | E314 Remove or install access doors, hatches, or panel | | | | | | | |
| | E337 Remove or install crew doors | | | | | | | |
| A6.2.6. Secondary structure inspection | - | 80 | 81 | 82 | 6.28 | 3.58 | 18 | |
| | E292 Perform access doors, hatches, or panels | | | | | | | |
| A6.3.8. Rig/Adjust landing gear system | - | 63 | 63 | 66 | 6.27 | 4.56 | 18 | |
| | F425 Inspect aircraft wheel and tire assemblies | | | | | | | |
| | F427 Inspect antiskid system components, such as wheel-speed sensors | | | | | | | |
| | 45 31 47 | | | | | | | |
| A6.7.3.2. Hydraulic test stand | - | 80 | 88 | 82 | 4.83 | 4.04 | 11 | |
| | E180 Connect or disconnect hydraulic test stands to or from aircraft | | | | | | | |

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C5

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
AFSC 2A531F PERSONNEL AND NOT REFERENCED TO THE STS

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | | | TSK DIF | ATI |
|-------------|--|----------------------------|-------------|------------|------------|------------|------|------------|-----|
| | | 31F LVL | 1-18 MOS | 1ST JOB | 1ST ENL | TNG EMP | | | |
| E179 | Connect or disconnect external electrical aircraft power | 92 | 100 | 100 | 92 | 6.88 | 3.15 | 18 | |
| F425 | Inspect aircraft wheel and tire assemblies | 75 | 77 | 79 | 75 | 6.27 | 4.56 | 18 | |
| O946 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 47 | 38 | 36 | 47 | 5.98 | 4.65 | 12 | |
| E381 | Remove snow or ice from aircraft | 53 | 38 | 43 | 53 | 5.94 | 4.32 | 15 | |
| F451 | Inspect landing gear struts | 56 | 77 | 71 | 56 | 5.94 | 4.50 | 18 | |
| F430 | Inspect brake system components | 56 | 69 | 64 | 56 | 5.83 | 4.82 | # | |
| E293 | Perform aircraft fuel spill cleanup procedures | 64 | 54 | 57 | 64 | 5.82 | 4.77 | 15 | |
| J757 | Dry-drain or pogo aircraft fuel tanks | 28 | 15 | 21 | 28 | 5.44 | 3.63 | 12 | |
| E230 | Inspect radomes | 53 | 31 | 36 | 53 | 5.36 | 4.00 | 18 | |
| E171 | Bleed hydraulic systems | 56 | 69 | 64 | 56 | 5.22 | 4.88 | 12 | |
| G540 | Inspect portable oxygen bottles | 64 | 62 | 64 | 64 | 5.15 | 3.48 | 18 | |
| E161 | Adjust engine cowling, panel, or door latches | 83 | 77 | 79 | 83 | 5.03 | 5.01 | 18 | |
| F459 | Operationally check brake systems | 44 | 46 | 50 | 44 | 4.99 | 4.34 | 15 | |
| F426 | Inspect aircraft wheel bearings | 47 | 38 | 43 | 47 | 4.98 | 4.70 | 12 | |
| J772 | Prepare aircraft for fuel cell maintenance | 47 | 15 | 21 | 47 | 4.95 | 4.99 | 12 | |
| F443 | Inspect landing gear hydraulic system components | 33 | 54 | 50 | 33 | 4.90 | 4.70 | # | |
| K792 | Inspect internal aircraft lights, other than lights emergency | 78 | 92 | 93 | 78 | 4.89 | 3.28 | 18 | |
| E153 | Adjust access door or hatch latching mechanisms or linkages | 44 | 46 | 43 | 44 | 4.88 | 5.18 | 12 | |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C6

EXAMPLES OF STS 2A531F COURSE STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF CODE | LVL | PERCENT MEMBERS PERFORMING | | | TNG EMP | TSK DIF | ATI |
|--|-----------|---|----------------------------|----------|---------|---------|---------|------|
| | | | 31F | 1-18 MOS | 1ST JOB | | | |
| A8.2.3.4. Windows | E322 | Remove or install aircraft windows or windshields | - | 58 | 31 | 36 | 58 | 5.52 |
| A8.2.3.5. Radomes | E365 | Remove or install radomes | - | 42 | 8 | 14 | 42 | 4.76 |
| A8.8.1. Fuel aircraft | E294 | Perform aircraft fueling or defueling | - | 75 | 92 | 86 | 75 | 7.25 |
| A8.8.6. C6 | J775 | Remove/install external fuel pylon | - | 42 | 31 | 29 | 42 | 1.83 |
| A8.12.2.1. Air Conditioning units- inspect and operate | M891 | Perform preuse inspections of powered AGE | - | 72 | 77 | 79 | 72 | 5.76 |
| | | | | | | | | 3.06 |
| | | | | | | | | 18 |

No ATI rating available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)

Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C7

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
AFSC 2A531B PERSONNEL AND NOT REFERENCED TO THE STS

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | | | TSK DIF | TNG EMP | ATI |
|--------------|--|----------------------------|-------------|------------|------------|------------|------|------------|------------|-----|
| | | 31B LVL | 1-18 MOS | 1ST JOB | 1ST ENL | 1ST EMP | | | | |
| F425 O946 | Inspect aircraft wheel and tire assemblies | 64 | 63 | 63 | 64 | 627 | 4.56 | 18 | | |
| | Review aircraft flight or maintenance records, such as AF Forms 781 series | 40 | 34 | 37 | 40 | 5.98 | 4.65 | 12 | | |
| E381 | Remove snow or ice from aircraft | 26 | 26 | 24 | 26 | 5.94 | 4.32 | 15 | | |
| F451 | Inspect landing gear struts | 64 | 68 | 65 | 64 | 5.94 | 4.50 | 18 | | |
| F430 | Inspect brake system components | 55 | 63 | 58 | 54 | 5.83 | 4.82 | # | | |
| E293 | Perform aircraft fuel spill cleanup procedures | 29 | 28 | 27 | 29 | 5.82 | 4.77 | 15 | | |
| E369 | Remove or install safety devices, such as seat pins locks or gear | 44 | 38 | 38 | 45 | 5.63 | 2.91 | 18 | | |
| E235 | Inspect seats, seatbelts, inertial reels, or harnesses shoulder | 66 | 60 | 63 | 66 | 5.56 | 3.22 | 18 | | |
| J757 | Dry-drain or pogo aircraft fuel tanks | 46 | 44 | 45 | 46 | 5.44 | 3.63 | 12 | | |
| E230 | Inspect radomes | 64 | 59 | 60 | 63 | 5.36 | 4.00 | 18 | | |
| E171 | Bleed hydraulic systems | 39 | 37 | 38 | 38 | 5.22 | 4.88 | 12 | | |
| E388 | Service aircraft nitrogen systems | 15 | 7 | 8 | 15 | 5.19 | 4.18 | 15 | | |
| G540 | Inspect portable oxygen bottles | 46 | 47 | 49 | 45 | 5.15 | 3.48 | 18 | | |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)

Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C8

EXAMPLES OF STS 2A531B COURSE STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF CODE | PERCENT MEMBERS PERFORMING | | | | TSK DIF | ATI |
|---------------------|---------------|---|----------|---------|---------|---------|------|
| | | 31B LVL | 1-18 MOS | 1ST JOB | 1ST ENL | | |
| A10.1.25. | Lube aircraft | - | - | - | - | | |
| | E257 | Lubricate aircraft components | 79 | 76 | 79 | 6.62 | 4.26 |
| | F458 | Lubricate wheel bearings | 41 | 47 | 42 | 4.00 | 3.47 |
| C8 | F457 | Lubricate main landing gear jack screws | 61 | 63 | 60 | 3.53 | 3.42 |
| | E261 | Remove and Install-cowlings | 81 | 78 | 81 | 6.35 | 3.36 |
| | L859 | Open or close engine cowlings, panels, or doors | 42 | 43 | 42 | 4.42 | 4.86 |
| A10.2.4.1. | L860 | Remove or install engine cowling, panels, or door latches | 46 | 49 | 48 | 5.35 | 4.84 |
| | E322 | Remove or install engine cowling, panels, or doors | - | - | - | - | - |
| | E267 | Remove and Install-windshields/windows | 54 | 46 | 48 | 5.52 | 6.38 |
| A10.2.4.4. | E322 | Remove and Install-window and Windshields | - | - | - | - | - |
| | E267 | Perform operational check- landing gear | - | - | - | - | - |
| | E267 | Operate landing gear or wheel well doors | 56 | 50 | 50 | 57 | 4.76 |
| A10.3.2.1. | E170 | Bleed brake systems | - | - | - | - | - |
| | E170 | Bleed brake systems | 71 | 69 | 68 | 71 | 5.70 |
| A10.3.5. | | | | | | 4.75 | 18 |
| | | | | | | 4.34 | 12 |

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C9

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY AFSC 2A531G PERSONNEL AND NOT REFERENCED TO THE STS

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | |
|-------------|---|-------------------------------|-------------|------------|------------|------------|
| | | 31G LVL | 1-18 MOS | 1ST JOB | 1ST ENL | TSK EMP |
| | | | | | | ATI |
| E369 | Remove or install safety devices, such as seat pins locks or gear | 68 | 67 | 64 | 68 | 5.63 |
| E322 | Remove or install aircraft windows or windshields | 56 | 47 | 53 | 56 | 5.52 |
| J757 | Dry-drain or pogo aircraft fuel tanks | 50 | 60 | 55 | 51 | 5.44 |
| E230 | Inspect radomes | 53 | 27 | 49 | 54 | 5.36 |
| E171 | Bleed hydraulic systems | 58 | 60 | 68 | 59 | 5.22 |
| E161 | Adjust engine cowling, panel, or door latches | 49 | 20 | 43 | 48 | 5.03 |
| F426 | Inspect aircraft wheel bearings | 54 | 60 | 64 | 55 | 4.98 |
| J772 | Prepare aircraft for fuel cell maintenance | 50 | 40 | 49 | 51 | 4.95 |
| F443 | Inspect landing gear hydraulic system components | 47 | 40 | 53 | 46 | 4.90 |
| E153 | Adjust access door or hatch latching mechanisms or linkages | 55 | 47 | 45 | 55 | 4.88 |
| E187 | Drain or replace aircraft engine oil | 45 | 40 | 53 | 44 | 4.65 |
| F452 | Inspect landing gear trucks, torque struts, or bogies | 44 | 40 | 47 | 43 | 4.59 |
| E234 | Inspect seat locking mechanisms | 52 | 33 | 47 | 52 | 4.44 |
| E229 | Inspect pressure seals, such as crew door, ramp, or seals visor | 48 | 40 | 53 | 49 | 4.36 |
| F435 | Inspect landing gear door mechanisms | 50 | 40 | 47 | 50 | 4.35 |
| E162 | Adjust escape hatches for fit and pressurization | 44 | 40 | 30 | 44 | 4.30 |
| F436 | Inspect landing gear down-lock mechanisms | 60 | 47 | 58 | 60 | 4.23 |
| | | | | | | 4.74 |
| | | | | | | 12 |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C10

EXAMPLES OF STS 2A531G COURSE STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF CODE | PERCENT MEMBERS PERFORMING | | | | | | TSK | DIF | ATI |
|--|-----------|----------------------------|--------------------|-------------------|-------------------|-------------------|------|-----|-----|-----|
| | | 31G <u>LVL</u> | 1-18 <u>MOS</u> | 1ST <u>JOB</u> | 1ST <u>ENL</u> | TNG <u>EMP</u> | | | | |
| A12.1.4. Compute center of gravity E412 Weigh aircraft | 2b | 3 | 0 | 4 | 3 | 1.93 | 7.48 | # | | |
| A12.4.3.1. Oxygen system- service gaseous oxygen M894 Service gaseous oxygen servicing carts | 2b | 4 | 0 | 2 | 4 | 1.70 | 4.11 | # | | |
| A12.8.9.2. IFR receiver system-operate J767 Operationally check air refueling receiver systems | 2b | 8 | 7 | 9 | 8 | 1.88 | 5.04 | 2 | | |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C11

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
AFSC 2A531A PERSONNEL AND NOT REFERENCED TO THE STS

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | | | TSK DIF | ATI |
|-------------|---|----------------------------|-------------|------------|------------|------------|------|------------|-----|
| | | 1A 1.VI. | 1-18 MOS | 1ST JOB | 1ST ENL | TNG EMP | | | |
| K792 | Inspect internal aircraft lights, other than lights emergency | 48 | 50 | 54 | 48 | 4.89 | 3.28 | 18 | |
| E153 | Adjust access door or hatch latching mechanisms or linkages | 42 | 36 | 30 | 42 | 4.88 | 5.18 | 12 | |
| F450 | Inspect landing gear structural components | 43 | 43 | 50 | 43 | 4.80 | 4.99 | 12 | |
| E365 | Remove or install radomes | 52 | 61 | 54 | 53 | 4.76 | 5.19 | 12 | |
| E187 | Drain or replace aircraft engine oil | 50 | 46 | 52 | 50 | 4.65 | 3.34 | 12 | |
| F449 | Inspect landing gear steering systems | 30 | 39 | 30 | 30 | 4.60 | 4.87 | # | |
| E279 | Operationally check entry door systems | 39 | 29 | 30 | 39 | 4.59 | 4.28 | 12 | |
| F452 | Inspect landing gear trucks, torque struts, or bogies | 43 | 50 | 50 | 43 | 4.59 | 4.72 | 12 | |
| E234 | Inspect seat locking mechanisms | 50 | 50 | 52 | 51 | 4.44 | 3.27 | 12 | |
| E277 | Operationally check emergency hatches or doors | 37 | 39 | 32 | 37 | 4.42 | 4.16 | 12 | |
| E229 | Inspect pressure seals, such as crew door, ramp, or seals visor | 44 | 46 | 42 | 44 | 4.36 | 3.36 | 12 | |
| F435 | Inspect landing gear door mechanisms | 46 | 46 | 42 | 46 | 4.35 | 4.78 | 15 | |
| F438 | Inspect landing gear emergency extension systems | 41 | 43 | 38 | 41 | 4.26 | 5.11 | 12 | |
| F436 | Inspect landing gear down-lock mechanisms | 45 | 43 | 40 | 45 | 4.23 | 4.74 | 12 | |
| E204 | Inspect cargo door or ramp mechanical components | 53 | 54 | 56 | 54 | 4.21 | 4.45 | 12 | |
| E238 | Inspect sliding or swinging window mechanisms or rollers | 38 | 36 | 38 | 38 | 4.14 | 3.74 | 12 | |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C12

EXAMPLES OF STS 2A531A COURSE STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF CODE | PERCENT MEMBERS PERFORMING | | | | | | TSK DF | ATI |
|---|-----------|--|----------|---------|---------|---------|--------|--------|------|
| | | 31A LVL | 1-18 MOS | 1ST JOB | 1ST ENL | TNG EMP | TNG DF | | |
| A14.2.2. Research parts | O928 | Access CAMS OR GO81 menus and data screens | - | 38 | 25 | 28 | 38 | 5.55 | 4.36 |
| A14.2.3. Maintain aircraft records | O928 | Access CAMS OR GO81 menus and data screens | - | 38 | 25 | 28 | 38 | 5.55 | 4.36 |
| A14.4.7. Airframe systems- move or install pressure seals | E313 | Remove or install access doors, hatches, or panels | - | 33 | 29 | 24 | 33 | 4.11 | 5.04 |
| A14.4.9. Inspect exterior panels | E188 | Inspect access doors, hatches, or panels | - | 70 | 86 | 80 | 71 | 6.28 | 3.58 |
| | E337 | Remove or install crew doors | - | 35 | 32 | 32 | 35 | 4.12 | 5.55 |
| A14.9.4.5. Forward cowl door | E161 | Adjust engine cowling, panel, or door latches | - | 43 | 54 | 42 | 43 | 5.03 | 5.01 |
| A14.103. Refuel aircraft | E294 | Perform aircraft fueling or defueling | - | 65 | 68 | 72 | 66 | 7.25 | 5.08 |

C12

Not matched to Job Inventory Task Statement

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C13

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
AFSC 2A531D PERSONNEL AND NOT REFERENCED TO THE STS

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | | | ATI |
|-------------|--|-------------------------------|-------------|------------|------------|------------|------------|-----|
| | | 31D LVL | 1-18 MOS | 1ST JOB | 1ST ENL | TNG EMP | TSK DIF | |
| E386 | Service aircraft hydraulic systems | 68 | 63 | 67 | 69 | 6.65 | 3.63 | 18 |
| E257 | Lubricate aircraft components | 76 | 83 | 76 | 77 | 6.62 | 4.26 | 18 |
| E295 | Perform brake rider procedures during aircraft towing | 53 | 54 | 52 | 53 | 6.56 | 3.51 | 18 |
| E394 | Service engines with oil | 65 | 63 | 67 | 66 | 6.56 | 2.91 | 18 |
| F497 | Remove or install wheel and tire assemblies | 45 | 39 | 39 | 45 | 6.47 | 5.28 | 18 |
| E304 | Perform wing or tail walker procedures during aircraft towing | 75 | 83 | 79 | 77 | 6.41 | 2.76 | 18 |
| E261 | Open or close engine cowlings, panels, or doors | 79 | 80 | 77 | 79 | 6.35 | 3.36 | 18 |
| E188 | Inspect access doors, hatches, or panels | 73 | 76 | 73 | 73 | 6.28 | 3.58 | 18 |
| F425 | Inspect aircraft wheel and tire assemblies | 78 | 80 | 79 | 78 | 6.27 | 4.56 | 18 |
| E387 | Service aircraft LOX systems | 69 | 63 | 70 | 70 | 6.18 | 4.70 | 18 |
| J778 | Transfer fuel within aircraft | 45 | 34 | 39 | 45 | 6.17 | 4.80 | 18 |
| K805 | Remove or install aircraft batteries | 59 | 51 | 56 | 60 | 6.16 | 3.97 | 18 |
| I742 | Service hydraulic system reservoirs | 34 | 29 | 29 | 34 | 6.14 | 3.49 | # |
| F471 | Remove or install aircraft brake assemblies or brake system components | 50 | 39 | 48 | 49 | 6.13 | 5.65 | 18 |
| O932 | Clear Red-Diagonal conditions | 71 | 71 | 71 | 71 | 6.13 | 4.09 | 18 |
| E195 | Inspect aircraft windows or windshields | 71 | 80 | 73 | 71 | 6.02 | 4.06 | 18 |
| O931 | Clear Red-Dash conditions | 73 | 68 | 71 | 73 | 6.00 | 4.24 | 18 |
| O946 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 54 | 56 | 53 | 53 | 5.98 | 4.65 | 12 |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)

Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C14

EXAMPLES OF STS 2A53 ID COURSE STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF (CODE: LVL) | PERCENT MEMBERS PERFORMING | | | TNG EMP | TSK DIF | ATI |
|---|---------------------|----------------------------|-------------|------------|------------|------------|------|
| | | 3ID | 1-18 MOS | 1ST JOB | | | |
| A16.1.21.1. Operate radio-UHF | - | - | - | - | - | - | - |
| A16.1.21.2. Operate radio-VHF | - | - | - | - | - | - | - |
| E265 Operate aircraft radio | - | 51 | 46 | 50 | 52 | 5.70 | 3.72 |
| A16.1.22.6.4. Jack aircraft NLG axle jacking | - | - | - | - | - | - | - |
| E250 Jack or level aircraft | - | 61 | 63 | 59 | 61 | 5.76 | 6.38 |
| A16.7.8.1. Remove or install - Starter | 3C | 13 | 5 | 9 | 12 | 3.27 | 5.69 |
| L870 Remove or install engine starters | - | - | - | - | - | - | 2 |
| A16.7.8.2. Remove or install - Starter control valve | 3C | 11 | 10 | 9 | 10 | 2.63 | 5.19 |
| L870 Remove or install engine starters control valves | - | - | - | - | - | - | # |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C15

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
AFSC 2A531C PERSONNEL AND NOT REFERENCED TO THE STS

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | | | TSK DIF | ATI |
|-------------|--|-------------------------------|-------------|------------|------------|------------|------------|------------|-----|
| | | 31C LVL | 1-18 MOS | 1ST JOB | 1ST ENL | TNG EMP | TNG EMP | | |
| E295 | Perform brake rider procedures during aircraft towing | 69 | 73 | 71 | 69 | 6.56 | 3.51 | 18 | |
| F425 | Inspect aircraft wheel and tire assemblies | 73 | 77 | 75 | 73 | 6.27 | 4.56 | 18 | |
| O946 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 39 | 34 | 40 | 39 | 5.98 | 4.65 | 12 | |
| F451 | Inspect landing gear struts | 67 | 70 | 67 | 67 | 5.94 | 4.50 | 18 | |
| F430 | Inspect brake system components | 59 | 68 | 61 | 60 | 5.83 | 4.82 | # | |
| E293 | Perform aircraft fuel spill cleanup procedures | 24 | 30 | 25 | 24 | 5.82 | 4.77 | 15 | |
| E369 | Remove or install safety devices, such as seat pins, locks or gear | 44 | 48 | 45 | 45 | 5.63 | 2.91 | 18 | |
| E235 | Inspect seats, seatbelts, inertial reels, or harnesses shoulder | 61 | 59 | 59 | 61 | 5.56 | 3.22 | 18 | |
| E230 | Inspect radomes | 48 | 36 | 41 | 48 | 5.36 | 4.00 | 18 | |
| E171 | Bleed hydraulic systems | 41 | 50 | 43 | 42 | 5.22 | 4.88 | 12 | |
| G540 | Inspect portable oxygen bottles | 55 | 57 | 57 | 55 | 5.15 | 3.48 | 18 | |
| E161 | Adjust engine cowling, panel, or door latches | 50 | 32 | 44 | 51 | 5.03 | 5.01 | 18 | |
| F426 | Inspect aircraft wheel bearings | 46 | 48 | 48 | 45 | 4.98 | 4.70 | 12 | |
| F443 | Inspect landing gear hydraulic system components | 57 | 50 | 51 | 58 | 4.90 | 4.70 | # | |
| E153 | Adjust access door or hatch latching mechanisms or linkages | 40 | 30 | 33 | 40 | 4.88 | 5.18 | 12 | |
| F450 | Inspect landing gear structural components | 51 | 48 | 49 | 52 | 4.80 | 4.99 | 12 | |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C16

EXAMPLES OF STS 2A531C COURSE STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF CODE | PERCENT MEMBERS PERFORMING | | | | TSK DIF | ATI |
|--------------------------------|--|----------------------------|-------------|------------|------------|---------|--------------------|
| | | 31C LVL | 1-18 MOS | 1ST JOB | 1ST ENL | | |
| A18.1.9.1. E251 | Ground handling-Launch and recovery procedures Launch or recovery aircraft | - | 65 | 70 | 65 | 7.26 | 4.63 18 |
| A18.1.9.2.3. E304 | Tow aircraft- Wing/tail walker Perform wing or tail walker procedures during aircraft towing | - | 84 | 91 | 89 | 84 | 6.41 2.76 18 |
| A18.1.9.4. E250 | Jack aircraft Jack or level aircraft | - | 71 | 64 | 68 | 71 | 5.76 6.38 18 |
| C16 | Debrief aircrews E181 | - Debrief aircrews | 46 | 23 | 35 | 46 | 3.73 4.43 # |
| A18.3.2.4. F461 | Operate- Anti skid Operationally check landing gear antskid systems | - | 41 | 25 | 32 | 42 | 3.37 5.25 11 |
| A18.4.4. A18.4.5. E388 | Service DEWAR with liquid Drain DEWAR Service aircraft nitrogen systems | - | 50 | 27 | 40 | 50 | 5.19 4.18 15 |
| A18.8.4. A18.8.3.2. E294 | Defuel aircraft Refuel aircraft- Panel operator Perform aircraft fueling or defueling | - | 76 | 82 | 79 | 76 | 7.25 5.08 18 |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C17

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
AFSC 2A531A PERSONNEL AND NOT REFERENCED TO THE STS

| TASK <u>NBR</u> | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | | | TSK <u>DIF</u> | ATI |
|--------------------|---|-------------------------------|--------------------|-------------------|-------------------|-------------------|------|-------------------|-----|
| | | 31A <u>LVL</u> | 1-18 <u>MOS</u> | 1ST <u>JOB</u> | 1ST <u>ENL</u> | TNG <u>EMP</u> | | | |
| E251 | Launch or recover aircraft | 68 | 79 | 78 | 69 | 7.26 | 4.63 | 18 | |
| O932 | Clear Red-Diagonal conditions | 60 | 57 | 62 | 61 | 6.13 | 4.09 | 18 | |
| E190 | Inspect aircraft for corrosion | 64 | 79 | 70 | 65 | 6.03 | 4.69 | 18 | |
| O931 | Clear Red-Dash conditions | 55 | 50 | 56 | 56 | 6.00 | 4.24 | 18 | |
| O946 | Review aircraft flight or maintenance records, such as AF Form 781 series | 38 | 36 | 38 | 37 | 5.98 | 4.65 | 12 | |
| O941 | Initiate or annotate aircraft flight or maintenance records such as AF Forms 781 series | 30 | 25 | 26 | 30 | 5.94 | 4.53 | # | |
| E381 | Remove snow or ice from aircraft | 25 | 25 | 24 | 25 | 5.94 | 4.32 | 15 | |
| L835 | Inspect engine cowling, panel, or door latches | 44 | 46 | 46 | 44 | 5.85 | 4.09 | 18 | |
| E293 | Perform aircraft fuel spill cleanup procedures | 19 | 25 | 24 | 20 | 5.82 | 4.77 | 15 | |
| M891 | Perform preuse inspections of powered AGE | 49 | 43 | 52 | 49 | 5.76 | 3.06 | 18 | |
| E320 | Remove or install aircraft hardware, such as screws or fasteners | 72 | 68 | 70 | 73 | 5.74 | 2.61 | 18 | |
| L836 | Inspect engine cowlings, panels, or doors | 41 | 43 | 42 | 41 | 5.74 | 4.03 | 18 | |
| E307 | Position fire extinguishers | 67 | 79 | 74 | 68 | 5.67 | 1.89 | 18 | |
| E369 | Remove or install safety devices, such as seat pins or gear locks | 41 | 39 | 32 | 41 | 5.63 | 2.91 | 18 | |
| L829 | Inspect engine air inlet or exhaust areas | 33 | 32 | 30 | 33 | 5.62 | 4.51 | 12 | |
| E297 | Perform foreign object damage (FOD) walks | 83 | 89 | 88 | 830 | 5.57 | 1.48 | 18 | |
| O928 | Access core automated maintenance system (CAMS) or G0-81 menus and data screens | 38 | 25 | 28 | 38 | 5.55 | 4.36 | 12 | |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C18

EXAMPLES OF STS 2AS31A COURSE: STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF CODE | PERCENT MEMBERS PERFORMING | | | | | | TSK DIF | ATI |
|---|--|----------------------------|----------|---------|---------|---------|---------|---------|-----|
| | | 31A LVL | 1-18 MOS | 1ST JOB | 1ST ENL | TNG EMP | TNG ENL | | |
| A20.2.1. Airframe components and structure | | | | | | | | | |
| E257 | Lubricate aircraft components | 74 | 89 | 80 | 75 | 6.62 | 4.26 | 18 | |
| E188 | Inspect access doors, hatches, or panels | 70 | 86 | 80 | 71 | 6.28 | 3.58 | 18 | |
| E178 | Clean or wash external surfaces of aircraft, other than optical windows or windshields | 20 | 21 | 24 | 21 | 5.04 | 2.88 | 12 | |
| E176 | Clean interior of aircraft | 56 | 71 | 64 | 57 | 5.01 | 1.68 | 18 | |
| A20.2.4.1. Remove and install - Cowlings | | | | | | | | | |
| L860 | Remove or install engine cowlings, panels, or doors | 33 | 32 | 30 | 33 | 5.35 | 4.84 | 12 | |
| A20.2.4.3. Remove and install - Nonexplosive seats | | | | | | | | | |
| E235 | Inspect seats, seatbelts, inertial reels, or shoulder harnesses | 54 | 57 | 58 | 55 | 5.56 | 3.22 | 18 | |
| E234 | Inspect seat locking mechanisms | 50 | 50 | 52 | 51 | 4.44 | 3.27 | 12 | |
| A20.2.9. Inspect crew/passenger comfort facilities | | | | | | | | | |
| E235 | Inspect crew/passenger comfort facilities, such as latrines or galleys | 52 | 57 | 54 | 53 | 4.80 | 3.03 | 18 | |
| A20.4.3.8. Inspect-Oxygen system | | | | | | | | | |
| G540 | Inspect portable oxygen bottles | 39 | 32 | 36 | 39 | 5.15 | 3.48 | 18 | |

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C19

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
AFSC 2A531H PERSONNEL AND NOT REFERENCED TO THE STS

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | | | ATI |
|-------------|--|-------------------------------|-------------|------------|------------|------------|------------|-----|
| | | 31H LVL | 1-18 MOS | 1ST JOB | 1ST ENL | TNG EMP | TSK DIF | |
| E295 | Perform brake rider procedures during aircraft towing | 75 | 76 | 78 | 75 | 6.56 | 3.51 | 18 |
| O946 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 38 | 38 | 39 | 38 | 5.98 | 4.65 | 12 |
| E381 | Remove snow or ice from aircraft | 57 | 45 | 55 | 57 | 5.94 | 4.32 | 15 |
| E293 | Perform aircraft fuel spill cleanup procedures | 48 | 38 | 48 | 48 | 5.82 | 4.77 | 15 |
| E369 | Remove or install safety devices, such as seat pins locks or gear | 50 | 52 | 54 | 50 | 5.63 | 2.91 | 18 |
| E235 | Inspect seats, seatbelts, inertial reels, or harnesses shoulder | 61 | 59 | 58 | 61 | 5.56 | 3.22 | 18 |
| E322 | Remove or install aircraft windows or windshields | 49 | 41 | 46 | 49 | 5.52 | 6.38 | 17 |
| E230 | Inspect radomes | 69 | 69 | 69 | 69 | 5.36 | 4.00 | 18 |
| E388 | Service aircraft nitrogen systems | 53 | 59 | 60 | 53 | 5.19 | 4.18 | 15 |
| G540 | Inspect portable oxygen bottles | 60 | 66 | 61 | 60 | 5.15 | 3.348 | 18 |
| F426 | Inspect aircraft wheel bearings | 48 | 52 | 49 | 48 | 4.98 | 4.70 | 12 |
| E392 | Service engine CSDs or IDGs | 79 | 90 | 87 | 79 | 4.83 | 3.57 | 12 |
| E396 | Service gaseous oxygen systems | 74 | 83 | 81 | 74 | 4.81 | 4.09 | 7 |
| E279 | Operationally check entry door systems | 49 | 48 | 45 | 49 | 4.59 | 4.28 | 12 |
| P962 | Don or doff chemical warfare personal protective clothing | 36 | 28 | 33 | 36 | 4.53 | 4.56 | # |
| E234 | Inspect seat locking mechanisms | 42 | 41 | 40 | 42 | 4.44 | 3.27 | 12 |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C20

EXAMPLES OF STS 2A531H COURSE STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF CODE | PERCENT MEMBERS PERFORMING | | | | TNG EMP | TSK DIF | ATI |
|---|-----------|----------------------------|----------|---------|---------|---------|---------|-----|
| | | 31H LVL | 1-18 MOS | 1ST JOB | 1ST ENL | | | |
| A24.1.4.3.4. Tow vehicle operator | - | | | | | | | |
| E303 Perform tow vehicle operator procedures during aircraft towing | | 38 | 31 | 33 | 38 | 5.30 | 5.65 | 15 |
| A24.2.3.5. Remove and install Radome | - | | | | | | | |
| E262 Open or close radomes | | 47 | 34 | 40 | 47 | 5.77 | 3.80 | 18 |
| E365 Remove or install radomes | | 22 | 24 | 16 | 22 | 4.76 | 5.19 | 12 |
| A24.3.2.1. Landing gear | - | | | | | | | |
| E267 Operate landing gear or wheel well doors | | 75 | 76 | 76 | 75 | 4.76 | 4.34 | 12 |
| A24.6.2.1. Hydraulic systems- Service | - | | | | | | | |
| E386 Service aircraft hydraulic systems | | 68 | 72 | 73 | 68 | 6.65 | 3.63 | 18 |
| A24.8.5 Prepare aircraft for fuel cell maintenance | - | | | | | | | |
| J756 Drain aircraft fuel tanks | | 63 | 66 | 64 | 63 | 5.48 | 4.29 | 12 |
| J757 Dry-drain or poqo aircraft fuel tanks | | 50 | 52 | 54 | 50 | 5.44 | 3.63 | 12 |
| J772 Prepare aircraft for fuel cell maintenance | | 54 | 48 | 55 | 54 | 4.95 | 4.99 | 12 |

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C21

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
AFSC 2A531B (MRT) PERSONNEL AND NOT REFERENCED TO THE STS

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | | | TSK DIF | ATI |
|-------------|--|-------------------------------|-------------|------------|------------|------------|------|------------|-----|
| | | 3IB LVL | 1-18 MOS | 1ST JOB | 1ST ENL | TNG EMP | | | |
| E257 | Lubricate aircraft components | 79 | 75 | 71 | 67 | 6.62 | 4.26 | 18 | |
| F497 | Remove or install wheel and tire assemblies | 51 | 50 | 52 | 46 | 6.47 | 5.28 | 18 | |
| E387 | Service aircraft LOX systems | 69 | 58 | 57 | 59 | 6.18 | 4.70 | 18 | |
| K805 | Remove or install aircraft batteries | 61 | 50 | 52 | 52 | 6.16 | 3.97 | 18 | |
| I742 | Service hydraulic system reservoirs | 46 | 33 | 38 | 38 | 6.14 | 3.49 | # | |
| F471 | Remove or install aircraft brake assemblies or components brake system | 58 | 50 | 48 | 48 | 6.13 | 5.65 | 18 | |
| E194 | Inspect aircraft shock struts | 77 | 58 | 62 | 64 | 5.97 | 3.98 | 18 | |
| M891 | Perform preuse inspections of powered AGE | 51 | 58 | 52 | 46 | 5.76 | 3.06 | 18 | |
| E250 | Jack or level aircraft | 76 | 67 | 71 | 66 | 5.76 | 6.38 | 18 | |
| E170 | Bleed brake systems | 71 | 58 | 57 | 54 | 5.70 | 4.75 | 18 | |
| M890 | Perform preuse inspections of nonpowered AGE | 52 | 67 | 57 | 46 | 5.70 | 2.60 | 18 | |
| E369 | Remove or install safety devices, such as seat pins locks or gear | 44 | 58 | 48 | 44 | 5.63 | 2.91 | 18 | |
| O928 | Access core automated maintenance system (CAMS) menus and data screens or GO-81 | 46 | 25 | 29 | 43 | 5.55 | 4.36 | 12 | |
| E183 | Dispose of hazardous materials | 51 | 67 | 48 | 42 | 5.48 | 5.03 | 18 | |
| J757 | Dry-drain or pogo aircraft fuel tanks | 46 | 33 | 29 | 35 | 5.44 | 3.63 | 12 | |
| K809 | Remove or install external aircraft lighting components, other than strobe lights system | 46 | 33 | 38 | 42 | 5.43 | 4.08 | 12 | |
| K796 | Operationally check aircraft batteries | 56 | 33 | 43 | 48 | 5.08 | 4.00 | 18 | |
| F459 | Operationally check brake systems | 43 | 42 | 43 | 42 | 4.99 | 4.34 | 15 | |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C22

EXAMPLES OF STS 2A531 B (MRT) COURSE STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF CODE | PERCENT MEMBERS PERFORMING | | | | TNG EMP | TSK DIF | ATI |
|---------------------|---|----------------------------|----------|---------|---------|---------|---------|------|
| | | 31B LVL | 1-18 MOS | 1ST JOB | 1ST ENL | | | |
| A10.1.1.1. | Safety precautions pertaining to high intensity sound | - | | | | | | |
| E251 | Launch or recover aircraft | 70 | 67 | 67 | 59 | 7.26 | 4.63 | 18 |
| G555 | Operationally check GTCs or APUs | 53 | 25 | 24 | 33 | 3.66 | 4.93 | # |
| A10.6.3.2. | Service accumulators | - | | | | | | |
| E251 | Service aircraft accumulators | 45 | 33 | 43 | 42 | 6.09 | 4.03 | 18 |
| A10.6.4. | Inspect hydraulic system | - | | | | | | |
| I695 | Inspect hydraulic system accumulators | 51 | 33 | 33 | 34 | 5.03 | 4.31 | 15 |
| I700 | Inspect hydraulic system reservoirs | 47 | 33 | 38 | 34 | 4.71 | 4.23 | # |
| C22 | Service GTC | - | | | | | | |
| A10.7.3.3. | G578 | Service GTCs or APUs | 46 | 42 | 33 | 32 | 3.90 | 3.68 |
| | | | | | | | | # |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
 Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C23

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE OF ACTIVE DUTY
AFSC 2A531B (MRT) PERSONNEL AND NOT REFERENCED TO THE STS

| TASK NBR | TASK NOT REFERENCED | PERCENT MEMBERS PERFORMING | | | | | | TSK DIF | ATI |
|-------------|--|-------------------------------|-------------|------------|------------|------------|------|------------|-----|
| | | 11B LVL | 1-18 MOS | 1ST JOB | 1ST ENL | TNG EMP | | | |
| E257 | Lubricate aircraft components | 74 | 89 | 80 | 75 | 6.62 | 4.26 | 18 | |
| F497 | Remove or install wheel and tire assemblies | 44 | 46 | 42 | 44 | 6.47 | 5.28 | 18 | |
| E188 | Inspect access doors, hatches, or panels | 70 | 86 | 80 | 71 | 6.28 | 3.58 | 18 | |
| F425 | Inspect aircraft wheel and tire assemblies | 63 | 68 | 72 | 64 | 6.27 | 4.56 | 18 | |
| K805 | Remove or install aircraft batteries | 55 | 57 | 58 | 56 | 6.16 | 3.97 | 18 | |
| F471 | Remove or install aircraft brake assemblies or brake system components | 46 | 46 | 48 | 46 | 6.13 | 5.65 | 18 | |
| O932 | Clear Red-Diagonal conditions | 60 | 57 | 62 | 61 | 6.13 | 4.09 | 18 | |
| J759 | Inspect aircraft for fuel leaks | 43 | 46 | 54 | 43 | 6.10 | 4.18 | 18 | |
| I738 | Service aircraft accumulators | 32 | 32 | 30 | 32 | 6.09 | 4.03 | 18 | |
| E190 | Inspect aircraft for corrosion | 64 | 79 | 70 | 65 | 6.03 | 4.69 | 18 | |
| E195 | Inspect aircraft windows or windshields | 62 | 79 | 76 | 63 | 6.02 | 4.06 | 18 | |
| O931 | Clear Red-Dash conditions | 55 | 50 | 56 | 56 | 6.00 | 4.24 | 18 | |
| O946 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 38 | 36 | 38 | 37 | 5.98 | 4.65 | 12 | |
| E194 | Inspect aircraft shock struts | 59 | 79 | 68 | 60 | 5.97 | 3.98 | 18 | |
| F451 | Inspect landing gear struts | 53 | 46 | 56 | 54 | 5.94 | 4.50 | 18 | |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)
Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)

TABLE C24

EXAMPLES OF STS 2A531A (MRT) COURSE STS ELEMENTS WHERE PROFICIENCY CODES DO NOT MATCH PMP

| STS REFERENCE/TASKS | PROF CODE | PERCENT MEMBERS PERFORMING | | | | TSK DF | ATI |
|--|-----------|--|----------|---------|---------|--------|-----|
| | | 31A LVL | 1-18 MOS | 1ST JOB | 1ST ENL | | |
| A14.4.3.3. Open and close crew entry door | E261 | Open or close engine cowlings, panels, or doors | - | 73 | 93 | 86 | 74 |
| A14.5.2.2. Operate brakes | E295 | Perform brake rider procedures during aircraft towing | - | 69 | 75 | 76 | 70 |
| A14.5.3.3. Inflate tires | E389 | Service aircraft tires | - | 70 | 79 | 82 | 71 |
| C24 A14.8.3.1. Service hydraulic system | E386 | Service aircraft hydraulic systems | - | 61 | 75 | 72 | 62 |
| | I742 | Inspect hydraulic system reservoirs | - | 36 | 50 | 38 | 36 |
| A14.9.7. Take JOAP sample | E400 | Take engine oil samples for analysis, such as joint oil analysis program | - | 43 | 39 | 44 | 43 |
| A14.11.5. Apply/disconnect external electrical power | E179 | Connect or disconnect external electrical aircraft power | - | 82 | 89 | 82 | 81 |
| | M891 | Perform preuse inspections of powered AGE | - | 49 | 43 | 52 | 49 |
| | K790 | Inspect external power receptacles | - | 51 | 57 | 62 | 52 |

No ATI available

NOTE: Mean TE Rating is 2.52, and Standard Deviation is 1.42 (High TE = 3.94)

Average TD = 5.00, Standard Deviation = 1.00 (High TD = 6.00)